BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

RR Nagara Division

MEASURMENT BOOK

PAYMENT CERTIFICATE

First & Part BILL

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	1	20/10/22 - 22/10/2
Item Name:	Earth work excavation by manual means for drains,canals, waste weir draft, approach channels, key trench, foundation of Bridges and such similar works, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, excavated surface leveled and sides neatly dressed disposing off or leveling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work. In ordinary/soft rock without blasting upto 1.5 m depth	

	CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
	FOR GALLARY							
	From West to East(Soth Side)							
	For Footings		**18.00**	3.60	3.60	3.00	699.84	
			18.00	2.80	2.80	3.00	423.36	
	Deduction		**-16.00**	3.60	3.60	3.00	-622.08	**Existing**
			-16.00	2.80	2.80	3.00	-376.32	**Existing**
	For Plith Beams							
			Horizontal -X(Beam 1&2)					
	0.00	**30.00**	**2.00**	30.00	0.75	0.90	40.50	
	30.00	**60.00**	**2.00**	30.00	0.75	0.90	40.50	
	60.00	**77.50**	**2.00**	17.50	0.75	0.90	23.63	
	Deduction		**-2.00**	62.00	0.75	0.90	-83.70	**Existing**
			Horizontal -Y(Beam -3)					
	0.00	**7.30**	**18.00**	7.30	0.75	0.90	88.70	
	Deduction		**-16.00**	7.30	0.75	0.90	-78.84	**Existing**
	Back Floor Bed							

	CHAINAGE		NO	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
	60.00	77.50	1.00	17.50	7.30	0.30	38.33	
	From West side to East(Corner)							
	For Footings		3.00	3.60	3.60	3.00	116.64	
	For Plith Beams							
			Horizontal -X(Beam 1&2)					
	0.00	8.40	1.00	8.40	0.75	0.90	5.67	
			Horizontal -Y(Beam -3)					
	0.00	8.70	1.00	8.70	0.75	0.90	5.87	
	Back Floor Bed							
	0.00	8.70	1.00	8.70	8.40	0.35	25.58	
	From South to North (East Side)							
	For Footings		24.00	3.60	3.60	3.00	933.12	
			24.00	2.80	2.80	3.00	564.48	
	For Plith Beams							
			Horizontal -X(Beam 1&2)					
	0.00	30.00	2.00	30.00	0.75	0.90	40.50	
	30.00	60.00	2.00	30.00	0.75	0.90	40.50	
	60.00	90.00	2.00	30.00	0.75	0.90	40.50	
	90.00	104.30	2.00	14.30	0.75	0.90	19.31	
			Horizontal -Y(Beam -3)					
	0.00	7.30	24.00	7.30	0.75	0.90	118.26	

	CHAINAGE		NO	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
	Back Floor Bed							
	0.00	30.00	1.00	30.00	7.30	0.25	54.75	
	30.00	60.00	1.00	30.00	7.30	0.25	54.75	
	60.00	90.00	1.00	30.00	7.30	0.25	54.75	
	90.00	104.30	1.00	14.30	7.30	0.25	26.10	
						Total Qty Work Done	2294.68	Cum
						Qty Payable in this bill	2294.68	Cum

Contractor Representative

For SAPIENCE CONSULTANTS

Authorised Signatory
Consultant Representative

Assistant Engineer
RR Nagara Division

Asst.Exective Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	2	26/10/22 27/10/22
Item Name:	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)	

	CHAINAGE		NO	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
	FOR GALLARY							
	From West to East(Soth Side)							
	For Footings		**18.00**	3.30	3.30	0.15	29.40	
			18.00	2.50	2.50	0.15	16.88	
	Deduction		**-16.00**	3.30	3.30	0.15	-26.14	**Existing**
			-16.00	2.50	2.50	0.15	-15.00	**Existing**
	For Plith Beams							
			Horizontal -X(Beam 1&2)					
	0.00	**30.00**	**2.00**	30.00	0.80	0.15	7.20	
	30.00	**60.00**	**2.00**	30.00	0.80	0.15	7.20	
	60.00	**77.50**	**2.00**	17.50	0.80	0.15	4.20	
	Deduction		**-2.00**	62.00	0.80	0.15	-14.88	**Existing**
			Horizontal -Y(Beam -3)					
	0.00	**7.30**	**18.00**	7.30	0.80	0.15	15.77	
	Deduction		**-16.00**	7.30	0.80	0.15	-14.02	**Existing**
	Flagging Concrete							
	60.00	**77.50**	**1.00**	17.50	7.30	0.15	19.16	

	CHAINAGE		NO	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
	From West side to East(Corner)							
	For Footings		3.00	3.30	3.30	0.15	4.90	
	For Plith Beams							
			Horizontal -X(Beam 1&2)					
	0.00	8.40	1.00	8.40	0.80	0.15	1.01	
			Horizontal -Y(Beam -3)					
	0.00	8.70	1.00	8.70	0.80	0.15	1.04	
	Flagging Concrete							
	0.00	8.70	1.00	8.70	8.40	0.15	10.96	
	From South to North (East Side)							
	For Footings		24.00	3.30	3.30	0.15	39.20	
			24.00	2.50	2.50	0.15	22.50	
	For Plith Beams							
			Horizontal -X(Beam					
	0.00	30.00	2.00	30.00	0.80	0.15	7.20	
	30.00	60.00	2.00	30.00	0.80	0.15	7.20	
	60.00	90.00	2.00	30.00	0.80	0.15	7.20	
	90.00	104.30	2.00	14.30	0.80	0.15	3.43	
			Horizontal -Y(Beam -3)					
	0.00	7.30	24.00	7.30	0.80	0.15	21.02	
	Flagging Concrete							
	0.00	104.30	1.00	104.30	7.30	0.15	114.21	
						Total Qty Work Done	269.66	Cum
						Qty Payable in this bill	269.66	Cum

Contractor Representative

Assistant Engineer
RR Nagara Division

For SAPIENCE CONSULTANTS

Consultant Representative
Authorised Signatory

Asst.Exective Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	3	30/10/22
Item Name:	KSRB 2.8 Providing and filling in foundation with granite/trap broken metal of 100 MM and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour charges and with all lead and lift etc complete as per specification and the direction of the Engineer in charge	

	CHAINAGE		NO	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
	FOR GALLARY							
	From West to East(Soth Side)							
	For Footings		**18.00**	3.30	3.30	0.25	49.01	
			18.00	2.50	2.50	0.25	28.13	
	Deduction		**-16.00**	3.30	3.30	0.25	-43.56	**Existing**
			-16.00	2.50	2.50	0.25	-25.00	**Existing**
	For Plith Beams							
			Horizontal -X(Beam 1&2)					
	0.00	**30.00**	**2.00**	30.00	0.75	0.15	6.75	
	30.00	**60.00**	**2.00**	30.00	0.75	0.15	6.75	
	60.00	**77.50**	**2.00**	17.50	0.75	0.15	3.94	
	Deduction		**-2.00**	62.00	0.75	0.15	-13.95	**Existing**
			Horizontal -Y(Beam -3)					
	0.00	**7.30**	**18.00**	7.30	0.75	0.15	14.78	
	Deduction		**-16.00**	7.30	0.75	0.15	-13.14	**Existing**
	From West side to East(Corner)							
	For Footings		**3.00**	3.30	3.30	0.24	7.84	
	For Plith Beams							

	CHAINAGE		NO	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
			Horizontal -X(Beam 1&2)					
	0.00	8.40	1.00	8.40	0.75	0.15	0.95	
			Horizontal -Y(Beam -3)					
	0.00	8.70	1.00	8.70	0.75	0.15	0.98	
	From South to North (East Side)							
	For Footings		24.00	3.30	3.30	0.24	63.77	
			24.00	2.50	2.50	0.24	36.60	
	For Plith Beams							
			Horizontal -X(Beam 1&2)					
	0.00	30.00	2.00	30.00	0.75	0.15	6.75	
	30.00	60.00	2.00	30.00	0.75	0.15	6.75	
	60.00	90.00	2.00	30.00	0.75	0.15	6.75	
	90.00	104.30	2.00	14.30	0.75	0.15	3.22	
			Horizontal -Y(Beam -3)					
	0.00	7.30	24.00	7.30	0.75	0.15	19.71	
						Total Qty Work Done	167.01	Cum
						Qty Payable in this bill	167.01	Cum

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

30/10/2022

Assistant Engineer
RR Nagara Division

Asst.Exective Engineer
RR Nagara Division

30/10/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	4	9/11/22, 10/11/22

Item Name: Providing and laying in position Reinforced cement concrete M25 Using 20 mm nominal size graded crushed coarse aggregates for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately)

	CHAINAGE		NO	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
FOR GALLARY								
	From West to East(Soth Side)							
	For Footings-F1		**18.00**	2.60	2.60	0.80	97.34	
	F2		**18.00**	2.00	2.00	0.80	57.60	
	Deduction							
	F1		**-16.00**	2.60	2.60	0.80	-86.53	**Existing**
	F2		**-16.00**	2.00	2.00	0.80	-51.20	**Existing**
	Columns upto plinth							
	C1		**18.00**	0.60	0.60	2.50	16.20	
	C2		**18.00**	0.60	0.60	2.50	16.20	
	Deduction							
	C1		**-16.00**	0.60	0.60	2.50	-14.40	**Existing**
	C2		**-16.00**	0.60	0.60	2.50	-14.40	**Existing**
	For Plinth Beams							
			Horizontal -X(Beam 1&2)					
	0.00	**30.00**	**2.00**	30.00	0.30	0.45	8.10	
	30.00	**60.00**	**2.00**	30.00	0.30	0.45	8.10	
	60.00	**77.50**	**2.00**	17.50	0.30	0.45	4.73	

	CHAINAGE		NO	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
	Deduction		-2.00	62.00	0.30	0.45	-16.74	Existing
			Horizontal -Y(Beam -3)					
	0.00	7.30	18.00	7.30	0.60	0.45	35.48	
	Deduction		-16.00	7.30	0.60	0.45	-31.54	Existing
	From West side to East(Corner)							
	For Footings F1-F2		3.00	2.60	2.60	0.80	16.22	
	Columns upto plinth							
	C1		3.00	0.60	0.60	2.50	2.70	
	For Plinth Beams							
			Horizontal -X(Beam 1&2)					
	0.00	8.40	1.00	8.40	0.60	0.45	2.27	
			Horizontal -Y(Beam -3)					
	0.00	8.70	1.00	8.70	0.60	0.45	2.35	
	From South to North (East Side)							
	For Footings F1		24.00	2.60	2.60	0.80	129.79	
	F2		24.00	2.00	2.00	0.80	76.80	
	Columns upto plinth							
	C1		24.00	0.60	0.60	2.50	21.60	
	C2		24.00	0.60	0.60	2.50	21.60	
	For Plinth Beams							
			Horizontal -X(Beam 1&2)					
	0.00	30.00	2.00	30.00	0.30	0.45	8.10	
	30.00	60.00	2.00	30.00	0.30	0.45	8.10	
	60.00	90.00	2.00	30.00	0.30	0.45	8.10	
	90.00	104.30	2.00	14.30	0.30	0.45	3.86	

	CHAINAGE		NO	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
			Horizontal -Y(Beam -3)					
	0.00	7.30	24.00	7.30	0.60	0.45	47.30	
						Total Qty Work Done	377.74	Cum
						Qty Payable in this bill	377.74	Cum

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

10/11/2022

Assistant Engineer
RR Nagara Division

Asst.Exective Engineer
RR Nagara Division

10/11/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	5	11/11/22

Item Name: Providing and laying in position Reinforced cement concrete M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately)

	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	FOR GALLARY						
	From West to East (Soth Side)						
	Columns Above plinth						
	C1	**18.00**	0.60	0.60	4.50	29.16	
	C2	**18.00**	0.60	0.60	0.50	3.24	
	Deduction						
	C1	**-16.00**	0.60	0.60	4.50	-25.92	**Existing**
	C2	**-16.00**	0.60	0.60	0.50	-2.88	**Existing**
	Back Floor Bed						
		1.00	17.50	6.60	0.08	8.66	
	From West to East(Corner Side)						
	Columns Above plinth						
	C1	**3.00**	0.60	0.60	4.50	4.86	
	Back Floor Bed						
		1.00	6.70	6.60	0.08	3.32	
	From South to North (East Side)						
	Columns Above plinth						
	C1	**24.00**	0.60	0.60	4.50	38.88	

	CHAINAGE	NO	L	B	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)		
	C2	24.00	0.60	0.60	0.50	4.32	
	Back Floor Bed						
		1.00	104.30	6.50	0.08	50.85	
					Total Qty Work Done	114.49	Cum
					Qty Payable in this bill	114.49	Cum

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Assistant Engineer
RR Nagara Division

Asst.Exective Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	6	12/11/22
Item Name:	Providing and laying in position Reinforced cement concrete M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately)	

	CHAINAGE		NO	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
	FOR GALLARY							
	From West to East(Soth Side)							
	For Waist Beams							
			Horizontal -X(Beam 1&2)					
	0.00	**30.00**	**2.00**	30.00	0.45	0.30	8.10	
	30.00	**60.00**	**2.00**	30.00	0.45	0.30	8.10	
	60.00	**77.50**	**2.00**	17.50	0.45	0.30	4.73	
	Deduction		**-2.00**	62.00	0.45	0.30	-16.74	**Existing**
			Horizontal -Y(Beam -3)					
	0.00	**7.30**	**18.00**	8.70	0.60	0.30	28.19	
	Deduction		**-16.00**	8.70	0.60	0.30	-25.06	**Existing**
	For Waist Slabs							
	0.00	**30.00**	**1.00**	30.00	7.50	0.30	67.50	
	30.00	**60.00**	**1.00**	30.00	7.50	0.30	67.50	
	60.00	**77.50**	**1.00**	17.50	7.50	0.30	39.38	
	Deduction		**-1.00**	62.00	7.50	0.30	-139.50	**Existing**
	For Steps							
	For Landing							
	0.00	**30.00**	**4.00**	30.00	1.20	0.45	64.80	

	CHAINAGE		NO	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
	30.00	60.00	4.00	30.00	1.20	0.45	64.80	
	60.00	77.50	4.00	17.50	1.20	0.45	37.80	
	Deduction		-4.00	62.00	1.20	0.45	-133.92	Existing
	For Seating							
	0.00	30.00	5.00	30.00	0.50	0.45	33.75	
	30.00	60.00	5.00	30.00	0.50	0.45	33.75	
	60.00	77.50	5.00	17.50	0.50	0.45	19.69	
	Deduction		-5.00	62.00	0.50	0.45	-69.75	Existing
	From West side to East(Corner)							
	For Waist Beams							
			Horizontal -X(Beam-1)					
	0.00	9.00	1.00	9.00	0.45	0.30	1.22	
			Horizontal -X(Beam-2)					
	0.00	2.40	1.00	2.40	0.45	0.30	0.32	L-Shaped
			Horizontal -X(Beam-1)					
	0.00	9.00	1.00	8.70	0.45	0.30	1.17	
	For Waist Slabs							
	0.00	9.00	1.00	39.16		0.30	11.75	
	9.00	17.70	1.00	41.43		0.30	12.43	
	For Steps							
	For Landing-1							
			1.00	2.06	1.20	0.45	1.11	
	For Landing-2							
			1.00	3.80	1.20	0.45	2.05	
	For Landing-3							
			1.00	5.40	1.20	0.45	2.92	
	For Landing-4							
			1.00	7.20	1.20	0.45	3.89	
	For Seating							

	CHAINAGE		NO	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
	For Seating-1							
			1.00	2.06	0.50	0.45	0.46	
	For Seating-2							
			1.00	3.80	0.50	0.45	0.86	
	For Seating-3							
			1.00	5.40	0.50	0.45	1.22	
	For Seating-4							
			1.00	7.20	0.50	0.45	1.62	
	From South to North (East Side)							
	For Waist Beams							
			Horizontal -X(Beam 1&2)					
	0.00	30.00	2.00	30.00	0.45	0.30	8.10	
	30.00	36.20	2.00	6.20	0.45	0.30	1.67	
			Horizontal -Y(Beam -3)					
	0.00	7.30	8.00	8.70	0.60	0.30	12.53	
	For Waist Slabs							
	0.00	30.00	1.00	30.00	7.50	0.30	67.50	
	30.00	36.20	1.00	6.20	7.50	0.30	13.95	
	For Steps							
	For Landing							
	0.00	30.00	4.00	30.00	1.20	0.45	64.80	
	30.00	36.20	4.00	6.20	1.20	0.45	13.39	

	CHAINAGE		NO	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
	For Seating							
	0.00	30.00	5.00	30.00	0.50	0.45	33.75	
	30.00	36.20	5.00	6.20	0.50	0.45	6.98	
						Total Qty Work Done	356.79	Cum
						Qty Payable in this bill	356.79	Cum

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Assistant Engineer
RR Nagara Division

Asst. Executive Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	7	4/11/22
Item Name:	Supplying, Fitting and Placing TMT Fe 500 & above Reinforcement in Foundation / Substructure / Superstructure complete as per Drawing and Technical Specifications.	

Sl no	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in mtr	Total Length of Bar in mtr	Type of Bar	Standard Weight per Meter in kgs	Weight of Steel in kgs	Remarks
FOR GALLARY										
Steel Qty Vide From Steel calculation Sheet									133463.70	
								Total Quantity of Steel in Kg's	**133463.7**	**kgs**
								Total Quantity of Steel in Tonne's	**133.46**	**Tonnes**
								Qty Payable in this bill	**133.46**	**Tonnes**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Assistant Engineer
RR Nagara Division

Asst.Executive Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First And Part Bill

Item No:	7	4/11/22
Item Name:	Supplying, Fitting and Placing TMT Fe 500 & above Reinforcement in Foundation / Substructure / Superstructure complete as per Drawing and Technical Specifications.	

Sl No	Description of work	No.		length		Total length	Remarks	
	FOR Gallary							
	From West to East(Soth Side)							
	Footing							
	12 mm dia bar for column mat							
	F1	2	46	4.60	=	423.20		
		2	46	4.60	=	423.20		
						846.40	mtr	
					@	**0.89**	**752.36**	Kgs
	12 mm dia bar for column mat							
	F2	2	46	4.60	=	423.20		
		2	46	4.60	=	423.20		
						846.40	mtr	
					@	**0.89**	**752.36**	Kgs
	Column From Foundation to Plinth Level							
	C1							
	16 mm Dia Bar							
		2	16	4.90	=	156.80		
						156.80	mtr	
					@	**1.58**	**247.78**	Kgs
	Column Strirrups							
	8 mm dia bar							
		2	49	2.28	=	222.95		
						222.95	mtr	
					@	**0.40**	**88.08**	Kg/mtr
	8 mm dia bar							
		2	49	1.78	=	173.95		
						173.95	mtr	
					@	**0.40**	**68.72**	Kg/mtr
	8 mm dia bar							
		2	49	1.78	=	173.95		
						173.95	mtr	
					@	**0.40**	**68.72**	Kg/mtr
	8 mm dia bar							
		2	49	1.48	=	144.55		
						144.55	mtr	
					@	**0.40**	**57.11**	Kg/mtr
	C2							
	20 mm Dia Bar							
		2	8	4.90	=	78.40		
						78.40	mtr	

						@	**2.47**	**193.58**	Kgs
	16	**mm Dia Bar**							
			2	8	4.90	=	78.40		
							78.40	mtr	
						@	**1.58**	**123.89**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			2	39	2.28	=	178.36		
							178.36	mtr	
						@	**0.40**	**70.46**	Kg/mtr
	8	**mm dia bar**							
			2	49	1.78	=	173.95		
							173.95	mtr	
						@	**0.40**	**68.72**	Kg/mtr
	8	**mm dia bar**							
			2	49	1.78	=	173.95		
							173.95	mtr	
						@	**0.40**	**68.72**	Kg/mtr
	8	**mm dia bar**							
			2	49	1.48	=	144.55		
							144.55	mtr	
						@	**0.40**	**57.11**	Kg/mtr
	Plinth Beams Horizontal -Y(Beam-3)								
	PB3								
	20	**mm Dia Bar**							
			2	8	7.90	=	126.40		
							126.40	mtr	
						@	**2.47**	**312.10**	Kgs
	16	**mm Dia Bar**							
	Bottom Extra Bar		2	2	5.10	=	20.40		
							20.40	mtr	
						@	**1.58**	**32.24**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	79	1.98	=	312.05		
							312.05	mtr	
						@	**0.40**	**123.28**	Kg/mtr
	Plinth Beams Horizontal -X(Beam-1)								
	PB1								
	20	**mm Dia Bar**							
			2	6	16.10	=	193.20		
							193.20	mtr	
						@	**2.47**	**477.04**	Kgs
	16	**mm Dia Bar**							
	Top-Extra Bar		2	2	8.80	=	35.20		
	Bottom-Extra Bar		2	2	8.20	=	32.80		
							68.00	mtr	
						@	**1.58**	**107.46**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	161	1.38	=	442.75		
							442.75	mtr	
						@	**0.40**	**174.91**	Kg/mtr
	Plinth Beams Horizontal -X(Beam-1)								

	PB2								
	20	**mm Dia Bar**							
			2	6	16.10	=	193.20		
							193.20	mtr	
						@	**2.47**	**477.04**	Kgs
	16	**mm Dia Bar**							
	Top-Extra Bar		2	2	7.20	=	28.80		
	Bottom-Extra Bar		2	2	7.50	=	30.00		
							58.80	mtr	
						@	**1.58**	**92.92**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	161	1.38	=	442.75		
							442.75	mtr	
						@	**0.40**	**174.91**	Kg/mtr
	Column From Plinth to Deck Slab								
	C1								
	16	**mm Dia Bar**							
			2	16	1.35	=	43.20		
							43.20	mtr	
						@	**1.58**	**68.27**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			2	14	2.28	=	61.43		
							61.43	mtr	
						@	**0.40**	**24.27**	Kg/mtr
	8	**mm dia bar**							
			2	14	1.78	=	47.93		
							47.93	mtr	
						@	**0.40**	**18.93**	Kg/mtr
	8	**mm dia bar**							
			2	14	1.78	=	47.93		
							47.93	mtr	
						@	**0.40**	**18.93**	Kg/mtr
	8	**mm dia bar**							
			2	14	1.48	=	39.83		
							39.83	mtr	
						@	**0.40**	**15.73**	Kg/mtr
	C2								
	20	**mm Dia Bar**							
			2	8	6.45	=	103.20		
							103.20	mtr	
						@	**2.47**	**254.81**	Kgs
	16	**mm Dia Bar**							
			2	8	4.15	=	66.40		
							66.40	mtr	
						@	**1.58**	**104.93**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			2	52	2.28	=	234.78		
							234.78	mtr	
						@	**0.40**	**92.75**	Kg/mtr
	8	**mm dia bar**							
			2	52	1.78	=	183.18		
							183.18	mtr	

						@	**0.40**	**72.37**	Kg/mtr
	8	**mm dia bar**							
			2	65	1.78	=	228.98		
							228.98	mtr	
						@	**0.40**	**90.46**	Kg/mtr
	8	**mm dia bar**							
			2	65	1.48	=	190.28		
							190.28	mtr	
						@	**0.40**	**75.17**	Kg/mtr
	Waist Beams								
	Beams Horizontal -Y(Beam-3)								
	Beam-3								
	20	**mm Dia Bar**							
			2	8	7.90	=	126.40		
							126.40	mtr	
						@	**2.47**	**312.10**	Kgs
	16	**mm Dia Bar**							
	Bottom Extra Bar		2	2	5.10	=	20.40		
							20.40	mtr	
						@	**1.58**	**32.24**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			2	63	1.98	=	249.64		
							249.64	mtr	
						@	**0.40**	**98.62**	Kg/mtr
	Beams Horizontal -X(Beam-1)								
	Beam-1								
	20	**mm Dia Bar**							
			2	6	16.10	=	193.20		
							193.20	mtr	
						@	**2.47**	**477.04**	Kgs
	16	**mm Dia Bar**							
	Top-Extra Bar		2	2	7.20	=	28.80		
	Bottom-Extra Bar		2	2	7.50	=	30.00		
							58.80	mtr	
						@	**1.58**	**92.92**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			2	129	1.38	=	354.20		
							354.20	mtr	
						@	**0.40**	**139.93**	Kg/mtr
	Beams Horizontal -X(Beam-2)								
	Beam-2								
	20	**mm Dia Bar**							
			2	6	16.10	=	193.20		
							193.20	mtr	
						@	**2.47**	**477.04**	Kgs
	16	**mm Dia Bar**							
	Top-Extra Bar		2	2	7.20	=	28.80		
	Bottom-Extra Bar		2	2	7.50	=	30.00		
							58.80	mtr	
						@	**1.58**	**92.92**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							

			2	129	1.38	=	354.20		
							354.20	mtr	
						@	**0.40**	**139.93**	Kg/mtr
	Waist Slab								
	12	**mm Dia Bar**							
			2	60	15.50	=	1860.00		
			2	124	7.50	=	1860.00		
	Tensions Bars		2	103.3333	0.90	=	186.00		
			2	60	1.20	=	144.00		
	Chairs		1	30	0.45	=	13.50		
							4063.50	mtr	
						@	**0.89**	**3612.00**	Kgs
	Nosing Reinforcement								
	16	**mm Dia Bar**	**Landing**						
			4	19	15.50	=	1153.20		
			4	124	2.33	=	1153.20		
							2306.40	mtr	
						@	**1.58**	**3644.68**	Kgs
	16	**mm Dia Bar**	**Seating**						
			5	12	15.50	=	930.00		
			5	124	1.50	=	930.00		
							1860.00	mtr	
						@	**1.58**	**2939.26**	Kgs
	From West side to East(Corner)								
	Footing								
	12	**mm dia bar for column mat**							
	F2		3	46	4.60	=	634.80		
			3	46	4.60	=	634.80		
							1269.60	mtr	
						@	**0.89**	**1128.53**	Kgs
	Column From Foundation to Plinth Level								
	C2								
	20	**mm Dia Bar**							
			3	8	4.90	=	117.60		
							117.60	mtr	
						@	**2.47**	**290.37**	Kgs
	16	**mm Dia Bar**							
			2	8	4.90	=	78.40		
							78.40	mtr	
						@	**1.58**	**123.89**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			2	49	2.28	=	222.95		
							222.95	mtr	
						@	**0.40**	**88.08**	Kg/mtr
	8	**mm dia bar**							
			2	39	1.78	=	139.16		
							139.16	mtr	
						@	**0.40**	**54.98**	Kg/mtr
	8	**mm dia bar**							
			2	49	1.78	=	173.95		
							173.95	mtr	
						@	**0.40**	**68.72**	Kg/mtr
	8	**mm dia bar**							
			2	49	1.48	=	144.55		

							144.55	mtr	
						@	**0.40**	**57.11**	Kg/mtr
	Plinth Beams Horizontal -X(Beam-1)								
	PB1								
	20	**mm Dia Bar**							
			2	6	9.00	=	108.00		
							108.00	mtr	
						@	**2.47**	**266.67**	Kgs
	16	**mm Dia Bar**							
	Top-Extra Bar		2	2	4.20	=	16.80		
	Bottom-Extra Bar		2	2	6.50	=	26.00		
							42.80	mtr	
						@	**1.58**	**67.63**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	90	1.38	=	247.50		
							247.50	mtr	
						@	**0.40**	**97.78**	Kg/mtr
	Plinth Beams Horizontal -Y(Beam-1)								
	PB1								
	20	**mm Dia Bar**							
			2	6	9.30	=	111.60		
							111.60	mtr	
						@	**2.47**	**275.56**	Kgs
	16	**mm Dia Bar**							
	Top-Extra Bar		2	2	4.20	=	16.80		
	Bottom-Extra Bar		2	2	6.80	=	27.20		
							44.00	mtr	
						@	**1.58**	**69.53**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	74	1.38	=	204.60		
							204.60	mtr	
						@	**0.40**	**80.83**	Kg/mtr
	Column From Plinth to Deck Slab								
	C2								
	20	**mm Dia Bar**							
			3	8	6.45	=	154.80		
							154.80	mtr	
						@	**2.47**	**382.22**	Kgs
	16	**mm Dia Bar**							
			3	8	4.15	=	99.60		
							99.60	mtr	
						@	**1.58**	**157.39**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			3	52	2.28	=	352.17		
							352.17	mtr	
						@	**0.40**	**139.13**	Kg/mtr
	8	**mm dia bar**							
			3	52	1.78	=	274.77		
							274.77	mtr	
						@	**0.40**	**108.55**	Kg/mtr
	8	**mm dia bar**							
			3	65	1.78	=	343.46		

							343.46	mtr	
						@	**0.40**	**135.69**	Kg/mtr
	8	**mm dia bar**							
			3	65	1.48	=	285.41		
							285.41	mtr	
						@	**0.40**	**112.76**	Kg/mtr
	Waist Beams								
	Beams Horizontal -X(Beam-1)								
	Beam-1								
	20	**mm Dia Bar**							
			1	6	9.00	=	54.00		
							54.00	mtr	
						@	**2.47**	**133.33**	Kgs
	16	**mm Dia Bar**							
	Top-Extra Bar		1	2	7.20	=	14.40		
	Bottom-Extra Bar		1	2	7.50	=	15.00		
							29.40	mtr	
						@	**1.58**	**46.46**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			1	72	1.38	=	99.00		
							99.00	mtr	
						@	**0.40**	**39.11**	Kg/mtr
	Beams Horizontal -Y(Beam-1)								
	Beam-1								
	20	**mm Dia Bar**							
			1	6	9.30	=	55.80		
							55.80	mtr	
						@	**2.47**	**137.78**	Kgs
	16	**mm Dia Bar**							
	Top-Extra Bar		1	2	7.20	=	14.40		
	Bottom-Extra Bar		1	2	7.70	=	15.40		
							29.80	mtr	
						@	**1.58**	**47.09**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			1	74	1.38	=	102.30		
							102.30	mtr	
						@	**0.40**	**40.41**	Kg/mtr
	Waist Slab								
	12	**mm Dia Bar**							
			2	64	8.70	=	1113.60		
			2	87	8.00	=	1392.00		
	Tensions Bars		1	87	0.90	=	78.30		
			2	80	1.20	=	192.00		
							2775.90	mtr	
						@	**0.89**	**2467.47**	Kgs
	12	**mm Dia Bar**							
			1	51	8.00	=	405.33		
			1	80	7.60	=	608.00		
	Tensions Bars		1	80	0.90	=	72.00		
			2	76	1.20	=	182.40		
							1267.73	mtr	
						@	**0.89**	**1126.87**	Kgs
	Nosing Reinforcement								

	16	**mm Dia Bar**	**Landing**						
			4	89	8.50	=	3026.00		
			4	85	8.90	=	3026.00		
							6052.00	mtr	
						@	**1.58**	**9563.65**	Kgs
	16	**mm Dia Bar**	**Seating**						
			5	89	8.60	=	3827.00		
			5	86	8.90	=	3827.00		
							7654.00	mtr	
						@	**1.58**	**12095.21**	Kgs
	From South to North (East Side)								
	Footing								
	12	**mm dia bar**	**for column mat**						
	F1		24	46	4.60	=	5078.40		
			24	46	4.60	=	5078.40		
							10156.80	mtr	
						@	**0.89**	**9028.27**	Kgs
	12	**mm dia bar**	**for column mat**						
	F2		24	46	4.60	=	5078.40		
			24	46	4.60	=	5078.40		
							10156.80	mtr	
						@	**0.89**	**9028.27**	Kgs
	Column From Foundation to Plinth Level								
	C1								
	16	**mm Dia Bar**							
			24	16	4.90	=	1881.60		
							1881.60	mtr	
						@	**1.58**	**2973.39**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			24	49	2.28	=	2675.40		
							2675.40	mtr	
						@	**0.40**	**1056.95**	Kg/mtr
	8	**mm dia bar**							
			24	49	1.78	=	2087.40		
							2087.40	mtr	
						@	**0.40**	**824.65**	Kg/mtr
	8	**mm dia bar**							
			24	49	1.78	=	2087.40		
							2087.40	mtr	
						@	**0.40**	**824.65**	Kg/mtr
	8	**mm dia bar**							
			24	49	1.48	=	1734.60		
							1734.60	mtr	
						@	**0.40**	**685.27**	Kg/mtr
	C2								
	20	**mm Dia Bar**							
			24	8	4.90	=	940.80		
							940.80	mtr	
						@	**2.47**	**2322.96**	Kgs
	16	**mm Dia Bar**							
			24	8	4.90	=	940.80		
							940.80	mtr	
						@	**1.58**	**1486.70**	Kgs
	Column Strirrups								

	8	**mm dia bar**							
			24	39	2.28	=	2140.32		
							2140.32	mtr	
						@	**0.40**	**845.56**	Kg/mtr
	8	**mm dia bar**							
			24	39	1.78	=	1669.92		
							1669.92	mtr	
						@	**0.40**	**659.72**	Kg/mtr
	8	**mm dia bar**							
			24	49	1.78	=	2087.40		
							2087.40	mtr	
						@	**0.40**	**824.65**	Kg/mtr
	8	**mm dia bar**							
			24	49	1.48	=	1734.60		
							1734.60	mtr	
						@	**0.40**	**685.27**	Kg/mtr
	Plinth Beams Horizontal -Y(Beam-3)								
	PB3								
	20	**mm Dia Bar**							
			24	8	7.90	=	1516.80		
							1516.80	mtr	
						@	**2.47**	**3745.19**	Kgs
	16	**mm Dia Bar**							
	Bottom Extra Bar		24	2	5.10	=	244.80		
							244.80	mtr	
						@	**1.58**	**386.84**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			24	79	1.98	=	3744.60		
							3744.60	mtr	
						@	**0.40**	**1479.35**	Kg/mtr
	Plinth Beams Horizontal -X(Beam-1)								
	PB1								
	20	**mm Dia Bar**							
			1	6	104.90	=	629.40		
							629.40	mtr	
						@	**2.47**	**1554.07**	Kgs
	16	**mm Dia Bar**							
	Top-Extra Bar		1	9	69.00	=	621.00		
	Bottom-Extra Bar		1	2	75.20	=	150.40		
							771.40	mtr	
						@	**1.58**	**1219.00**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			1	839	1.38	=	1153.90		
							1153.90	mtr	
						@	**0.40**	**455.86**	Kg/mtr
	Plinth Beams Horizontal -X(Beam-1)								
	PB2								
	20	**mm Dia Bar**							
			2	6	104.90	=	1258.80		
							1258.80	mtr	
						@	**2.47**	**3108.15**	Kgs
	16	**mm Dia Bar**							

	Top-Extra Bar		2	2	69.00	=	276.00		
	Bottom-Extra Bar		2	2	75.20	=	300.80		
							576.80	mtr	
						@	**1.58**	**911.49**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	839	1.38	=	2307.80		
							2307.80	mtr	
						@	**0.40**	**911.72**	Kg/mtr
	Column From Plinth to Deck Slab								
	C1								
	16	**mm Dia Bar**							
			24	16	1.35	=	518.40		
							518.40	mtr	
						@	**1.58**	**819.20**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			24	14	2.28	=	737.10		
							737.10	mtr	
						@	**0.40**	**291.20**	Kg/mtr
	8	**mm dia bar**							
			24	14	1.78	=	575.10		
							575.10	mtr	
						@	**0.40**	**227.20**	Kg/mtr
	8	**mm dia bar**							
			24	14	1.78	=	575.10		
							575.10	mtr	
						@	**0.40**	**227.20**	Kg/mtr
	8	**mm dia bar**							
			24	14	1.48	=	477.90		
							477.90	mtr	
						@	**0.40**	**188.80**	Kg/mtr
	C2								
	20	**mm Dia Bar**							
			24	8	6.45	=	1238.40		
							1238.40	mtr	
						@	**2.47**	**3057.78**	Kgs
	16	**mm Dia Bar**							
			24	8	4.15	=	796.80		
							796.80	mtr	
						@	**1.58**	**1259.14**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			24	65	2.28	=	3521.70		
							3521.70	mtr	
						@	**0.40**	**1391.29**	Kg/mtr
	8	**mm dia bar**							
			24	65	1.78	=	2747.70		
							2747.70	mtr	
						@	**0.40**	**1085.51**	Kg/mtr
	8	**mm dia bar**							
			24	65	1.78	=	2747.70		
							2747.70	mtr	
						@	**0.40**	**1085.51**	Kg/mtr
	8	**mm dia bar**							

			24	65	1.48	=	2283.30		
							2283.30	mtr	
						@	**0.40**	**902.04**	Kg/mtr
	Waist Beams								
	Beams Horizontal -Y(Beam-3)								
	Beam-3								
	20	**mm Dia Bar**							
			8	8	7.90	=	505.60		
							505.60	mtr	
						@	**2.47**	**1248.40**	Kgs
	16	**mm Dia Bar**							
	Bottom Extra Bar		8	2	5.10	=	81.60		
							81.60	mtr	
						@	**1.58**	**128.95**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			8	63	1.98	=	998.56		
							998.56	mtr	
						@	**0.40**	**394.49**	Kg/mtr
	Beams Horizontal -X(Beam-1)								
	Beam-1								
	20	**mm Dia Bar**							
			2	6	36.80	=	441.60		
							441.60	mtr	
						@	**2.47**	**1090.37**	Kgs
	16	**mm Dia Bar**							
	Top-Extra Bar		2	2	28.80	=	115.20		
	Bottom-Extra Bar		2	2	31.70	=	126.80		
							242.00	mtr	
						@	**1.58**	**382.42**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			2	294	1.38	=	809.60		
							809.60	mtr	
						@	**0.40**	**319.84**	Kg/mtr
	Beams Horizontal -X(Beam-2)								
	Beam-2								
	20	**mm Dia Bar**							
			2	6	36.80	=	441.60		
							441.60	mtr	
						@	**2.47**	**1090.37**	Kgs
	16	**mm Dia Bar**							
	Top-Extra Bar		2	2	28.80	=	115.20		
	Bottom-Extra Bar		2	2	31.70	=	126.80		
							242.00	mtr	
						@	**1.58**	**382.42**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			2	294	1.38	=	809.60		
							809.60	mtr	
						@	**0.40**	**319.84**	Kg/mtr
	Waist Slab								
	12	**mm Dia Bar**							
			2	60	36.20	=	4344.00		
			2	289.6	7.50	=	4344.00		

	Tensions Bars		2	289.6	0.90	=	521.28		
			2	60	1.20	=	144.00		
	Chairs		1	50	1.20	=	60.00		
							9413.28	mtr	
						@	**0.89**	**8367.36**	Kgs
	Nosing Reinforcement								
	16	**mm Dia Bar**	**Landing**						
			4	19	36.20	=	2693.28		
			4	362	2.33	=	3366.60		
							6059.88	mtr	
						@	**1.58**	**9576.11**	Kgs
	16	**mm Dia Bar**	**Seating**						
			5	12	36.20	=	2172.00		
			5	362	1.50	=	2715.00		
							4887.00	mtr	
						@	**1.58**	**7722.67**	Kgs
							Total Qty Work Done	**133463.70**	**Kg's**
							Total Qty Work Done	**133.46**	**Tonne**
							Qty Payable in this bill	**133.46**	**Tonne**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Asst. Engineer
RR Nagara Division

Asst.Executive Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	8	26/10/22
Item Name:	Earth work excavation by manual means for drains,canals, waste weir draft, approach channels, key trench, foundation of Bridges and such similar works, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, excavated surface leveled and sides neatly dressed disposing off or leveling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work. In ordinary/soft rock without blasting upto 1.5 m depth	

	CHAINAGE / Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS										
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69										
Footings										
			4	1.70	1.70	-	-	1.60	18.50	
For Main Walls										
Horizontal			2	2.75	0.80	-	-	1.00	4.40	
Vertical Walls			2	3.60	0.80	-	-	1.00	5.76	
Deductions										
Footings			-4	1.70	0.80	-	-	1.00	-5.44	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69										
Footings										
			4	1.70	1.70	-	-	1.60	18.50	
For Main Walls										
Horizontal			2	5.80	0.80	-	-	1.00	9.28	
Vertical Walls			2	3.00	0.80	-	-	1.00	4.80	
Deductions										
Footings			-4	1.70	0.80	-	-	1.00	-5.44	
Kempe Gowda Layout 2nd Main Ward no -69										

	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
For Main Walls										
Horizontal			2	2.60	0.80	-	-	1.00	4.16	
Vertical Walls			2	3.30	0.80	-	-	1.00	5.28	
5th Cross Road Freedom Fighter Nagara Ward no -69										
Footings										
			4	1.70	1.70	-	-	1.60	18.50	
For Main Walls										
Horizontal			2	4.65	0.80	-	-	1.00	7.44	
Vertical Walls			2	3.10	0.80	-	-	1.00	4.96	
Deductions										
Footings			-4	1.70	0.80	-	-	1.00	-5.44	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69										
Footings										
			4	1.70	1.70	-	-	1.60	18.50	
For Main Walls										
Horizontal			2	4.00	0.80	-	-	1.00	6.40	
Vertical Walls			2	3.45	0.80	-	-	1.00	5.52	
Deductions										
Footings			-4	1.70	0.80	-	-	1.00	-5.44	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129										
Footings										
			4	1.70	1.70	-	-	1.60	18.50	
For Main Walls										
Horizontal			2	4.60	0.80	-	-	1.00	7.36	
Vertical Walls			2	3.20	0.80	-	-	1.00	5.12	
Deductions										
Footings			-4	1.70	0.80	-	-	1.00	-5.44	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129										
Footings										
			4	1.70	1.70	-	-	1.60	18.50	
For Main Walls										
Horizontal			2	4.60	0.80	-	-	1.00	7.36	
Vertical Walls			2	3.20	0.80	-	-	1.00	5.12	
Deductions										
Footings			-4	1.70	0.80	-	-	1.00	-5.44	

	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
Near Gaana Apartment Chansandra Layout Ward no -160										
Footings										
			4	1.70	1.70	-	-	1.60	18.50	
For Main Walls										
Horizontal			2	2.85	0.80	-	-	1.00	4.56	
Vertical Walls			2	4.90	0.80	-	-	1.00	7.84	
Deductions										
Footings			-4	1.70	0.80	-	-	1.00	-5.44	
Total Qty Work Done									**186.75**	**Cum**
Qty Payable in this bill									**186.75**	**Cum**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative
Authorised Signatory

26/10/2022

Assistant Engineer
RR Nagara Division

Asst.Executive Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	9	28/10/22
Item Name:	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
Footings									
		4	1.70	1.70	-	-	0.15	1.73	
For Main Walls									
Horizontal Walls		2	2.75	0.80	-	-	0.15	0.66	
Vertical Walls		2	3.60	0.80	-	-	0.15	0.86	
For Flooring Bed		1	2.45	3.30			0.15	1.21	
Deductions									
Footings		-4	1.70	0.80	-	-	0.15	-0.82	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
Footings									
		4	1.70	1.70	-	-	0.15	1.73	
For Main Walls									
Horizontal Walls		2	5.80	0.80	-	-	0.15	1.39	
Vertical Walls		2	3.00	0.80	-	-	0.15	0.72	

	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
For Flooring Bed			1	5.50	2.70			0.15	2.23	
Deductions										
Footings			-4	1.70	0.80	-	-	0.15	-0.82	
Kempe Gowda Layout 2nd Main Ward no -69										
For Main Walls										
Horizontal Walls			2	2.60	0.80	-	-	0.15	0.62	
Vertical Walls			2	3.30	0.80	-	-	0.15	0.79	
For Flooring Bed			1	3.00	2.30			0.15	1.04	
5th Cross Road Freedom Fighter Nagara Ward no -69										
Footings										
			4	1.70	1.70	-	-	0.15	1.73	
For Main Walls										
Horizontal Walls			2	4.65	0.80	-	-	0.15	1.12	
Vertical Walls			2	3.10	0.80	-	-	0.15	0.74	
For Flooring Bed			1	4.35	2.80			0.15	1.83	
Deductions										
Footings			-4	1.70	0.80	-	-	0.15	-0.82	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69										
Footings										
			4	1.70	1.70	-	-	0.15	1.73	
For Main Walls										
Horizontal Walls			2	4.00	0.80	-	-	0.15	0.96	
Vertical Walls			2	3.45	0.80	-	-	0.15	0.83	
For Flooring Bed			1	3.70	3.15			0.15	1.75	
Deductions										
Footings			-4	1.70	0.80	-	-	0.15	-0.82	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129										
Footings										
			4	1.70	1.70	-	-	0.15	1.73	
For Main Walls										
Horizontal Walls			2	4.60	0.80	-	-	0.15	1.10	
Vertical Walls			2	3.20	0.80	-	-	0.15	0.77	
For Flooring Bed			1	4.30	2.90			0.15	1.87	

	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
Deductions										
Footings			-4	1.70	0.80	-	-	0.15	-0.82	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no - 129										
Footings										
			4	1.70	1.70	-	-	0.15	1.73	
For Main Walls										
Horizontal Walls			2	4.20	0.80	-	-	0.15	1.01	
Vertical Walls			2	3.10	0.80	-	-	0.15	0.74	
For Flooring Bed			1	3.90	2.80			0.15	1.64	
Deductions										
Footings			-4	1.70	0.80	-	-	0.15	-0.82	
Near Gaana Apartment Chansandra Layout Ward no -160										
Footings										
			4	1.70	1.70	-	-	0.15	1.73	
For Main Walls										
Horizontal Walls			2	2.85	0.80	-	-	0.15	0.68	
Vertical Walls			2	4.90	0.80	-	-	0.15	1.18	
For Flooring Bed			1	4.90	2.85			0.15	2.09	
Deductions										
Footings			-4	1.70	0.80	-	-	0.15	-0.82	
								Total Qty Work Done	**34.26**	**Cum**
								Qty Payable in this bill	**34.26**	**Cum**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

28/10/2022

Assistant Engineer
RR Nagara Division

28/10/2022

Asst.Executive Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	**10**	16/11/22
Item Name:	Providing and laying in position Reinforced cement concrete M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately)	

	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
	FOR RO PLANTS								
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
Column Footings									
		4	1.50	1.50	-	-	0.45	4.05	
Columns Upto Plinth		4	0.15	0.30	-	-	1.20	0.22	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
Column Footings									
		4	1.50	1.50	-	-	0.45	4.05	
Columns Upto Plinth		4	0.15	0.30	-	-	1.20	0.22	
Kempe Gowda Layout 2nd Main Ward no -69(NO Columns)									
For Main Walls									
5th Cross Road Freedom Fighter Nagara Ward no -69									
Column Footings									
		4	1.50	1.50	-	-	0.45	4.05	
Columns Upto Plinth		4	0.15	0.30	-	-	1.20	0.22	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
Column Footings									
		4	1.50	1.50	-	-	0.45	4.05	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Columns Upto Plinth		4	0.15	0.30	-	-	1.20	0.22	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no - 129									
Column Footings									
		4	1.50	1.50	-	-	0.45	4.05	
Columns Upto Plinth		4	0.15	0.30	-	-	1.20	0.22	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
Column Footings									
		4	1.50	1.50	-	-	0.45	4.05	
Columns Upto Plinth		4	0.15	0.30	-	-	1.20	0.22	
Near Gaana Apartment Chansandra Layout Ward no -160									
Column Footings									
		4	1.50	1.50	-	-	0.45	4.05	
Columns Upto Plinth		4	0.15	0.30	-	-	1.50	0.27	
							Total Qty Work Done	**29.92**	**Cum**
							Qty Payable in this bill	**29.92**	**Cum**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

16/11/2022

Assistant Engineer
RR Nagara Division

Asst.Executive Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	**11**	17/11/22
Item Name:	Providing and laying in position Reinforced cement concrete M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately)	

SLNO	**CHAINAGE** / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
FOR RO PLANTS									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
Columns Above Plinth	m	4	0.15	0.30	-	-	3.00	0.54	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
Columns Upto Plinth		4	0.15	0.30	-	-	0.90	0.16	
5th Cross Road Freedom Fighter Nagara Ward no -69									
Columns Above Plinth		4	0.15	0.30	-	-	3.00	0.54	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
Columns Above Plinth		4	0.15	0.30	-	-	3.00	0.54	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
Columns Above Plinth		4	0.15	0.30	-	-	3.00	0.54	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Columns Above Plinth		4	0.15	0.30	-	-	3.00	0.54	
Near Gaana Apartment Chansandra Layout Ward no -160									
Columns Above Plinth		4	0.15	0.30	-	-	3.00	0.54	
							Total Qty Work Done	**3.40**	**Cum**
							Qty Payable in this bill	**3.40**	**Cum**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Assistant Engineer
RR Nagara Division

Asst.Executive Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	12	16/11/22
Item Name:	Providing and laying in position Reinforced cement concrete M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately)	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
For Plinth Beams									
		2	3.65	0.20	-	-	0.30	0.44	
		2	2.75	0.20	-	-	0.30	0.33	
For Lintel									
		1	2.60	0.15	-	-	0.15	0.06	
For Roof Beams									
		2	3.65	0.15	-	-	0.30	0.33	
		2	2.75	0.15	-	-	0.30	0.25	
For Roof Slab									
		1	4.25	2.75	-	-	0.15	1.75	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
For Plinth Beams									
		2	5.80	0.20	-	-	0.30	0.70	
		2	3.00	0.20	-	-	0.30	0.36	
For Lintel									
		1	3.00	0.15	-	-	0.15	0.07	
For Roof Beams									
		2	5.80	0.15	-	-	0.30	0.52	
		2	3.00	0.15	-	-	0.30	0.27	
For Roof Slab									
		1	5.80	3.00	-	-	0.15	2.61	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Projected Slab		1	4.00	0.60	-	-	0.15	0.36	
Kempe Gowda Layout 2nd Main Ward no -69(NO Columns)									
For Plinth Beams									
		2	2.60	0.20	-	-	0.30	0.31	
		2	3.30	0.20	-	-	0.30	0.40	
For Lintel									
		1	2.50	0.15	-	-	0.15	0.06	
For Roof Beams									
		2	2.60	0.15	-	-	0.30	0.23	
		2	3.30	0.15	-	-	0.30	0.30	
For Roof Slab									
		1	3.90	2.60	-	-	0.15	1.52	
5th Cross Road Freedom Fighter Nagara Ward no -69									
For Plinth Beams									
		2	4.65	0.20	-	-	0.30	0.56	
		2	3.10	0.20	-	-	0.30	0.37	
For Lintel									
		1	2.80	0.15	-	-	0.15	0.06	
For Roof Beams									
		2	3.10	0.15	-	-	0.30	0.28	
		2	4.65	0.15	-	-	0.30	0.42	
For Roof Slab									
		1	5.25	3.10	-	-	0.15	2.44	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
For Plinth Beams									
		2	4.00	0.20	-	-	0.30	0.48	
		2	3.45	0.20	-	-	0.30	0.41	
For Lintel									
		1	3.00	0.15	-	-	0.15	0.07	
For Roof Beams									
		2	4.00	0.15	-	-	0.30	0.36	
		2	3.45	0.15	-	-	0.30	0.31	
For Roof Slab									
		1	4.60	3.45	-	-	0.15	2.38	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
For Plinth Beams									
		2	4.60	0.20	-	-	0.30	0.55	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		2	3.20	0.20	-	-	0.30	0.38	
For Roof Beams									
		2	4.60	0.15	-	-	0.30	0.41	
		2	3.20	0.15	-	-	0.30	0.29	
For Roof Slab									
		1	5.20	3.20	-	-	0.15	2.50	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
For Plinth Beams									
		2	4.20	0.20	-	-	0.30	0.50	
		2	3.10	0.20	-	-	0.30	0.37	
For Lintel									
		1	3.00	0.15	-	-	0.15	0.07	
For Roof Beams									
		2	4.20	0.15	-	-	0.30	0.38	
		2	3.10	0.15	-	-	0.30	0.28	
For Roof Slab									
		1	4.20	3.70	-	-	0.15	2.33	
Near Gaana Apartment Chansandra Layout Ward no -160									
For Plinth Beams									
		2	2.85	0.20	-	-	0.30	0.34	
		2	4.90	0.20	-	-	0.30	0.59	
For Lintel									
		1	2.20	0.15	-	-	0.15	0.05	
For Roof Beams									
		2	2.85	0.15	-	-	0.30	0.26	
		2	4.90	0.15	-	-	0.30	0.44	
For Roof Slab									
		1	2.85	5.30	-	-	0.15	2.27	
							Total Qty Work Done	**31.01**	**Cum**
							Qty Payable in this bill	**31.01**	**Cum**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Assistant Engineer
RR Nagara Division

16/11/2022

Asst.Executive Engineer
RR Nagara Division

16/11/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	**13**								9/11/22	
Item Name:	Supplying, Fitting and Placing TMT Fe 500 & above Reinforcement in Foundation / Substructure / Superstructure complete as per Drawing and Technical Specifications.									
				Steel Qty Vide From Steel calculation Sheet					**7660.05**	
								Total Quantity of Steel in Kg's	**7660.0**	**kgs**
								Total Quantity of Steel in Tonne's	**7.66**	**Tonnes**
								Qty Payable in this bill	**7.66**	**Tonnes**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative
Authorised Signatory

Assistant Engineer
RR Nagara Division
9/11/2022

Asst.Executive Engineer
RR Nagara Division
9/11/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First And Part Bill

Item No:	13	9/11/12
Item Name:	Supplying, Fitting and Placing TMT Fe 500 & above Reinforcement in Foundation / Substructure / Superstructure complete as per Drawing and Technical Specifications.	

Sl No	Description of work	No.	length		Total length	Remarks	
	FOR RO PLANTS						
	LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no - 69						
	Footing						
	10 mm dia bar for column mat						
	F1	4	11	1.65	=	72.60	
		4	11	1.65	=	72.60	
						145.20 mtr	
					@	**0.62**	**89.63** Kgs
	Column From Foundation to Plinth Level						
	C1						
	12 mm Dia Bar						
		4	6	1.65	=	39.60	
						39.60 mtr	
					@	**0.89**	**35.20** Kgs
	Column Strirrups						
	8 mm dia bar						
		4	11	0.98	=	43.12	
						43.12 mtr	
					@	**0.40**	**17.04** Kg/mtr
	Plinth Beams						
	PB1-PB3						
	12 mm Dia Bar						
		2	4	2.90	=	23.20	
						23.20 mtr	
					@	**0.89**	**20.62** Kgs
	12 mm Dia Bar						
	Extra Bar	2	2	1.60	=	6.40	
						6.40 mtr	
					@	**0.89**	**5.69** Kgs
	Plinth Beam Strirrups						
	8 mm dia bar						
		2	17	1.08	=	35.79	
						35.79 mtr	
					@	**0.40**	**14.14** Kg/mtr
	PB2-PB4						

	12	**mm Dia Bar**							
			2	4	3.80	=	30.40		
							30.40	mtr	
						@	**0.89**	**27.02**	Kgs
	12	**mm Dia Bar**							
	Extra Bar		2	2	1.50	=	6.00		
							6.00	mtr	
						@	**0.89**	**5.33**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	22	1.08	=	46.90		
							46.90	mtr	
						@	**0.40**	**18.53**	Kg/mtr
	Column From Plinth to Roof Slab								
	C1								
	16	**mm Dia Bar**							
			4	6	4.20	=	100.80		
							100.80	mtr	
						@	**1.58**	**159.29**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			4	24	0.98	=	94.08		
							94.08	mtr	
						@	**0.40**	**37.17**	Kg/mtr
	Beams								
	GB1-GB3								
	16	**mm Dia Bar**							
			4	4	3.80	=	60.80		
	Lapping Length		4	4	1.20	=	19.20		
							80.00	mtr	
						@	**1.58**	**126.42**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		4	4	1.40	=	22.40		
	Extra Bar Bottom		4	2	1.60	=	12.80		
							35.20	mtr	
						@	**0.89**	**31.29**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			4	22	1.34	=	115.95		
							115.95	mtr	
						@	**0.40**	**45.81**	Kg/mtr
	GB2-GB4								
	16	**mm Dia Bar**							
			2	4	2.90	=	23.20		
	Lapping Length		2	4	0.90	=	7.20		
							30.40	mtr	
						@	**1.58**	**48.04**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		2	4	0.90	=	7.20		
	Extra Bar Bottom		2	2	1.60	=	6.40		
							13.60	mtr	
						@	**0.89**	**12.09**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			2	17	1.08	=	35.79		

							35.79	mtr	
						@	**0.40**	**14.14**	Kg/mtr
	Rcc Slab								
	10	**mm Dia Bar**							
			1	28	2.75	=	77.92		
			1	18.3	4.25	=	77.92		
	Tensions Bars		1	18.3	0.90	=	16.50		
			2	28	1.20	=	68.00		
	Chairs		1	10	0.45	=	4.50		
							244.83	mtr	
						@	**0.62**	**151.13**	Kgs
	Lintel								
	12	**mm Dia Bar**							
			1	4	2.80	=	11.20		
	Lapping Length		1	4	1.20	=	4.80		
							16.00	mtr	
						@	**0.89**	**14.22**	Kgs
	Lintel Strirrups								
	8	**mm dia bar**							
			1	19	0.68	=	12.60		
							12.60	mtr	
						@	**0.40**	**4.98**	Kg/mtr
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main									
	Footing								
	10	**mm dia bar for column mat**							
	F1		4	11	1.65	=	72.60		
			4	11	1.65	=	72.60		
							145.20	mtr	
						@	**0.62**	**89.63**	Kgs
	Column From Foundation to Plinth Level								
	C1								
	12	**mm Dia Bar**							
			4	6	1.65	=	39.60		
							39.60	mtr	
						@	**0.89**	**35.20**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			4	11	0.98	=	43.12		
							43.12	mtr	
						@	**0.40**	**17.04**	Kg/mtr
	Plinth Beams								
	PB1-PB3								
	12	**mm Dia Bar**							
			2	4	5.95	=	47.60		
							47.60	mtr	
						@	**0.89**	**42.31**	Kgs
	12	**mm Dia Bar**							
	Extra Bar		2	2	1.40	=	5.60		
							5.60	mtr	
						@	**0.89**	**4.98**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	48	1.08	=	102.82		

							102.82	mtr	
						@	**0.40**	**40.62**	Kg/mtr
	PB2-PB4								
	12	**mm Dia Bar**							
			2	4	3.15	=	25.20		
							25.20	mtr	
						@	**0.89**	**22.40**	Kgs
	12	**mm Dia Bar**							
	Extra Bar		2	2	0.90	=	3.60		
							3.60	mtr	
						@	**0.89**	**3.20**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	25	1.08	=	54.43		
							54.43	mtr	
						@	**0.40**	**21.50**	Kg/mtr
	Column From Plinth to Roof Slab								
	C1								
	16	**mm Dia Bar**							
			4	6	4.20	=	100.80		
							100.80	mtr	
						@	**1.58**	**159.29**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			4	34	0.98	=	131.71		
							131.71	mtr	
						@	**0.40**	**52.03**	Kg/mtr
	Beams								
	GB1-GB3								
	16	**mm Dia Bar**							
			4	4	5.95	=	95.20		
	Lapping Length		4	4	1.20	=	19.20		
							114.40	mtr	
						@	**1.58**	**180.78**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		4	4	1.40	=	22.40		
	Extra Bar Bottom		4	2	3.00	=	24.00		
							46.40	mtr	
						@	**0.89**	**41.24**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			4	48	1.08	=	205.63		
							205.63	mtr	
						@	**0.40**	**81.24**	Kg/mtr
	GB2-GB4								
	16	**mm Dia Bar**							
			2	4	3.15	=	25.20		
	Lapping Length		2	4	0.90	=	7.20		
							32.40	mtr	
						@	**1.58**	**51.20**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		2	4	0.90	=	7.20		
	Extra Bar Bottom		2	2	2.00	=	8.00		
							15.20	mtr	
						@	**0.89**	**13.51**	Kgs

	Beam Strirrups								
	8	**mm dia bar**							
			2	25	1.08	=	54.43		
							54.43	mtr	
						@	**0.40**	**21.50**	Kg/mtr
	Rcc Slab								
	10	**mm Dia Bar**							
			1	30	5.80	=	174.00		
			1	46.4	3.00	=	139.20		
	Tensions Bars		1	38.7	0.90	=	34.80		
			2	20	1.20	=	48.00		
	Chairs		1	20	0.45	=	9.00		
							405.00	mtr	
						@	**0.62**	**250.00**	Kgs
	Projectd Rcc Slab								
	10	**mm Dia Bar**							
			1	6	4.00	=	24.00		
			1	32	0.60	=	19.20		
	Tensions Bars		1	26.7	0.90	=	24.00		
			2	4	1.20	=	9.60		
	Chairs		1	5	0.45	=	2.25		
							79.05	mtr	
						@	**0.62**	**48.80**	Kgs
	Lintel								
	12	**mm Dia Bar**							
			1	4	3.15	=	12.60		
	Lapping Length		1	4	1.20	=	4.80		
							17.40	mtr	
						@	**0.89**	**15.47**	Kgs
	Lintel Strirrups								
	8	**mm dia bar**							
			1	32	0.68	=	21.26		
							21.26	mtr	
						@	**0.40**	**8.40**	Kg/mtr
Kempe Gowda Layout 2nd Main Ward no -69									
	Plinth Beams								
	PB1-PB3								
	12	**mm Dia Bar**							
			2	4	2.75	=	22.00		
							22.00	mtr	
						@	**0.89**	**19.56**	Kgs
	12	**mm Dia Bar**							
	Extra Bar		2	2	0.90	=	3.60		
							3.60	mtr	
						@	**0.89**	**3.20**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	22	1.08	=	47.52		
							47.52	mtr	
						@	**0.40**	**18.77**	Kg/mtr
	PB2-PB4								
	12	**mm Dia Bar**							
			2	4	3.45	=	27.60		

							27.60	mtr	
						@	**0.89**	**24.53**	Kgs
	12	**mm Dia Bar**							
	Extra Bar		2	2	0.90	=	3.60		
							3.60	mtr	
						@	**0.89**	**3.20**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	28	1.08	=	59.62		
							59.62	mtr	
						@	**0.40**	**23.55**	Kg/mtr
	Beams								
	GB1-GB3								
	16	**mm Dia Bar**							
			4	4	2.75	=	44.00		
	Lapping Length		4	4	1.20	=	19.20		
							63.20	mtr	
						@	**1.58**	**99.87**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		4	4	0.90	=	14.40		
	Extra Bar Bottom		4	2	2.50	=	20.00		
							34.40	mtr	
						@	**0.89**	**30.58**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			4	22	1.08	=	95.04		
							95.04	mtr	
						@	**0.40**	**37.55**	Kg/mtr
	GB2-GB4								
	16	**mm Dia Bar**							
			2	4	3.45	=	27.60		
	Lapping Length		2	4	0.90	=	7.20		
							34.80	mtr	
						@	**1.58**	**54.99**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		2	4	0.90	=	7.20		
	Extra Bar Bottom		2	2	2.50	=	10.00		
							17.20	mtr	
						@	**0.89**	**15.29**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			2	28	1.08	=	59.62		
							59.62	mtr	
						@	**0.40**	**23.55**	Kg/mtr
	Rcc Slab								
	10	**mm Dia Bar**							
			1	26	3.90	=	101.40		
			1	31.2	2.60	=	81.12		
	Tensions Bars		1	26	0.90	=	23.40		
			2	17	1.20	=	41.60		
	Chairs		1	20	0.45	=	9.00		
							256.52	mtr	
						@	**0.62**	**158.35**	Kgs
	Lintel								

	12	**mm Dia Bar**							
			1	4	2.15	=	8.60		
							8.60	mtr	
						@	**0.89**	**7.64**	Kgs
	Lintel Strirrups								
	8	**mm dia bar**							
			1	14	0.68	=	9.68		
							9.68	mtr	
						@	**0.40**	**3.82**	Kg/mtr
5th Cross Road Freedom Fighter Nagara Ward no -69									
	Footing								
	10	**mm dia bar for column mat**							
	F1		4	13	1.65	=	87.12		
			4	13	1.65	=	87.12		
							174.24	mtr	
						@	**0.62**	**107.56**	Kgs
	Column From Foundation to Plinth Level								
	C1								
	12	**mm Dia Bar**							
			4	6	1.65	=	39.60		
							39.60	mtr	
						@	**0.89**	**35.20**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			4	11	0.98	=	43.12		
							43.12	mtr	
						@	**0.40**	**17.04**	Kg/mtr
	Plinth Beams								
	PB1-PB3								
	12	**mm Dia Bar**							
			2	4	3.25	=	26.00		
							26.00	mtr	
						@	**0.89**	**23.11**	Kgs
	12	**mm Dia Bar**							
	Extra Bar		2	2	0.90	=	3.60		
							3.60	mtr	
						@	**0.89**	**3.20**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	26	1.08	=	56.16		
							56.16	mtr	
						@	**0.40**	**22.19**	Kg/mtr
	PB2-PB4								
	12	**mm Dia Bar**							
			2	4	4.80	=	38.40		
							38.40	mtr	
						@	**0.89**	**34.13**	Kgs
	12	**mm Dia Bar**							
	Extra Bar		2	2	1.60	=	6.40		
							6.40	mtr	
						@	**0.89**	**5.69**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	38	1.08	=	82.94		

							82.94	mtr	
						@	**0.40**	**32.77**	Kg/mtr
	Column From Plinth to Roof Slab								
	C1								
	16	**mm Dia Bar**							
			4	6	4.20	=	100.80		
							100.80	mtr	
						@	**1.58**	**159.29**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			4	34	0.98	=	131.71		
							131.71	mtr	
						@	**0.40**	**52.03**	Kg/mtr
	Beams								
	GB1-GB3								
	16	**mm Dia Bar**							
			4	4	3.25	=	52.00		
	Lapping Length		4	4	1.20	=	19.20		
							71.20	mtr	
						@	**1.58**	**112.51**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		4	4	1.40	=	22.40		
	Extra Bar Bottom		4	2	1.80	=	14.40		
							36.80	mtr	
						@	**0.89**	**32.71**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			4	26	1.08	=	112.32		
							112.32	mtr	
						@	**0.40**	**44.37**	Kg/mtr
	GB2-GB4								
	16	**mm Dia Bar**							
			2	4	4.80	=	38.40		
	Lapping Length		2	4	0.90	=	7.20		
							45.60	mtr	
						@	**1.58**	**72.06**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		2	4	1.50	=	12.00		
	Extra Bar Bottom		2	2	3.30	=	13.20		
							25.20	mtr	
						@	**0.89**	**22.40**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			2	38	1.08	=	82.94		
							82.94	mtr	
						@	**0.40**	**32.77**	Kg/mtr
	Rcc Slab								
	10	**mm Dia Bar**							
			1	53	3.10	=	162.75		
			1	24.8	5.25	=	130.20		
	Tensions Bars		1	20.7	0.90	=	18.60		
			2	35	0.90	=	63.00		
	Chairs		1	15	0.45	=	6.75		
							381.30	mtr	
						@	**0.62**	**235.37**	Kgs

	Lintel								
	12	**mm Dia Bar**							
			1	4	2.35	=	9.40		
	Lapping Length		1	4	1.20	=	4.80		
							14.20	mtr	
						@	**0.89**	**12.62**	Kgs
	Lintel Strirrups								
	8	**mm dia bar**							
			1	24	0.68	=	15.86		
							15.86	mtr	
						@	**0.40**	**6.27**	Kg/mtr
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
	Footing								
	10	**mm dia bar for column mat**							
	F1		4	13	1.65	=	87.12		
			4	13	1.65	=	87.12		
							174.24	mtr	
						@	**0.62**	**107.56**	Kgs
	Column From Foundation to Plinth Level								
	C1								
	12	**mm Dia Bar**							
			4	6	1.65	=	39.60		
							39.60	mtr	
						@	**0.89**	**35.20**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			4	11	0.98	=	43.12		
							43.12	mtr	
						@	**0.40**	**17.04**	Kg/mtr
	Plinth Beams								
	PB1-PB3								
	12	**mm Dia Bar**							
			2	4	3.60	=	28.80		
							28.80	mtr	
						@	**0.89**	**25.60**	Kgs
	12	**mm Dia Bar**							
	Extra Bar		2	2	0.90	=	3.60		
							3.60	mtr	
						@	**0.89**	**3.20**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	29	1.08	=	62.21		
							62.21	mtr	
						@	**0.40**	**24.58**	Kg/mtr
	PB2-PB4								
	12	**mm Dia Bar**							
			2	4	4.15	=	33.20		
							33.20	mtr	
						@	**0.89**	**29.51**	Kgs
	12	**mm Dia Bar**							
	Extra Bar		2	2	1.60	=	6.40		
							6.40	mtr	

						@	**0.89**	**5.69**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	33	1.08	=	71.71		
							71.71	mtr	
						@	**0.40**	**28.33**	Kg/mtr
	Column From Plinth to Roof Slab								
	C1								
	16	**mm Dia Bar**							
			4	6	4.20	=	100.80		
							100.80	mtr	
						@	**1.58**	**159.29**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			4	34	0.98	=	131.71		
							131.71	mtr	
						@	**0.40**	**52.03**	Kg/mtr
	Beams								
	GB1-GB3								
	16	**mm Dia Bar**							
			4	4	3.60	=	57.60		
	Lapping Length		4	4	1.20	=	19.20		
							76.80	mtr	
						@	**1.58**	**121.36**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		4	4	0.90	=	14.40		
	Extra Bar Bottom		4	2	2.70	=	21.60		
							36.00	mtr	
						@	**0.89**	**32.00**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			4	29	1.08	=	124.42		
							124.42	mtr	
						@	**0.40**	**49.15**	Kg/mtr
	GB2-GB4								
	16	**mm Dia Bar**							
			2	4	4.15	=	33.20		
	Lapping Length		2	4	0.90	=	7.20		
							40.40	mtr	
						@	**1.58**	**63.84**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		2	4	1.20	=	9.60		
	Extra Bar Bottom		2	2	3.40	=	13.60		
							23.20	mtr	
						@	**0.89**	**20.62**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			2	33	1.08	=	71.71		
							71.71	mtr	
						@	**0.40**	**28.33**	Kg/mtr
	Rcc Slab								
	10	**mm Dia Bar**							
			1	46	3.45	=	158.70		
			1	27.6	4.60	=	126.96		
	Tensions Bars		1	23	0.90	=	20.70		

			2	31	0.90	=	55.20		
	Chairs		1	20	0.45	=	9.00		
							370.56	mtr	
						@	**0.62**	**228.74**	Kgs
	Lintel								
	12	**mm Dia Bar**							
			1	4	2.55	=	10.20		
	Lapping Length		1	4	1.20	=	4.80		
							15.00	mtr	
						@	**0.89**	**13.33**	Kgs
	Lintel Strirrups								
	8	**mm dia bar**							
			1	26	0.68	=	17.21		
							17.21	mtr	
						@	**0.40**	**6.80**	Kg/mtr
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
	Footing								
	10	**mm dia bar for column mat**							
	F1		4	13	1.65	=	87.12		
			4	13	1.65	=	87.12		
							174.24	mtr	
						@	**0.62**	**107.56**	Kgs
	Column From Foundation to Plinth Level								
	C1								
	12	**mm Dia Bar**							
			4	6	1.65	=	39.60		
							39.60	mtr	
						@	**0.89**	**35.20**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			4	11	0.98	=	43.12		
							43.12	mtr	
						@	**0.40**	**17.04**	Kg/mtr
	Plinth Beams								
	PB1-PB3								
	12	**mm Dia Bar**							
			2	4	3.35	=	26.80		
							26.80	mtr	
						@	**0.89**	**23.82**	Kgs
	12	**mm Dia Bar**							
	Extra Bar		2	2	0.90	=	3.60		
							3.60	mtr	
						@	**0.89**	**3.20**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	22	1.08	=	48.24		
							48.24	mtr	
						@	**0.40**	**19.06**	Kg/mtr
	PB2-PB4								
	12	**mm Dia Bar**							
			2	4	5.35	=	42.80		
							42.80	mtr	
						@	**0.89**	**38.04**	Kgs
	12	**mm Dia Bar**							

Extra Bar		2	2	1.60	=	6.40		
						6.40	mtr	
					@	**0.89**	**5.69**	Kgs
Plinth Beam Strirrups								
8	**mm dia bar**							
		2	36	1.08	=	77.04		
						77.04	mtr	
					@	**0.40**	**30.44**	Kg/mtr
Column From Plinth to Roof Slab								
C1								
16	**mm Dia Bar**							
		4	6	4.20	=	100.80		
						100.80	mtr	
					@	**1.58**	**159.29**	Kgs
Column Strirrups								
8	**mm dia bar**							
		4	28	0.98	=	109.76		
						109.76	mtr	
					@	**0.40**	**43.36**	Kg/mtr
Beams								
GB1-GB3								
16	**mm Dia Bar**							
		4	4	3.35	=	53.60		
Lapping Length		4	4	1.20	=	19.20		
						72.80	mtr	
					@	**1.58**	**115.04**	Kgs
12	**mm Dia Bar**							
Extra Bar Top		4	4	0.90	=	14.40		
Extra Bar Bottom		4	2	2.40	=	19.20		
						33.60	mtr	
					@	**0.89**	**29.87**	Kgs
Beam Strirrups								
8	**mm dia bar**							
		4	27	1.08	=	115.78		
						115.78	mtr	
					@	**0.40**	**45.74**	Kg/mtr
GB2-GB4								
16	**mm Dia Bar**							
		2	4	5.35	=	42.80		
Lapping Length		2	4	0.90	=	7.20		
						50.00	mtr	
					@	**1.58**	**79.01**	Kgs
12	**mm Dia Bar**							
Extra Bar Top		2	4	1.20	=	9.60		
Extra Bar Bottom		2	2	4.00	=	16.00		
						25.60	mtr	
					@	**0.89**	**22.76**	Kgs
Beam Strirrups								
8	**mm dia bar**							
		2	43	1.08	=	92.45		
						92.45	mtr	
					@	**0.40**	**36.52**	Kg/mtr
Rcc Slab								
10	**mm Dia Bar**							
		1	35	3.20	=	110.93		

			1	21.3	5.20	=	110.93		
	Tensions Bars		1	21.3	0.90	=	19.20		
			2	35	0.90	=	62.40		
	Chairs		1	15	0.45	=	6.75		
							310.22	mtr	
						@	**0.62**	**191.49**	Kgs
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
	Footing								
	10	**mm dia bar**	**for column mat**						
	F1		4	13	2.20	=	110.63		
			4	13	2.20	=	110.63		
							221.26	mtr	
						@	**0.62**	**136.58**	Kgs
	Column From Foundation to Plinth Level								
	C1								
	12	**mm Dia Bar**							
			4	6	1.65	=	39.60		
							39.60	mtr	
						@	**0.89**	**35.20**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			4	11	0.98	=	43.12		
							43.12	mtr	
						@	**0.40**	**17.04**	Kg/mtr
	Plinth Beams								
	PB1-PB3								
	12	**mm Dia Bar**							
			2	4	4.35	=	34.80		
							34.80	mtr	
						@	**0.89**	**30.93**	Kgs
	12	**mm Dia Bar**							
	Extra Bar		2	2	0.90	=	3.60		
							3.60	mtr	
						@	**0.89**	**3.20**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	25	1.08	=	53.69		
							53.69	mtr	
						@	**0.40**	**21.21**	Kg/mtr
	PB2-PB4								
	12	**mm Dia Bar**							
			2	4	3.85	=	30.80		
							30.80	mtr	
						@	**0.89**	**27.38**	Kgs
	12	**mm Dia Bar**							
	Extra Bar		2	2	1.60	=	6.40		
							6.40	mtr	
						@	**0.89**	**5.69**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	22	1.08	=	47.52		
							47.52	mtr	
						@	**0.40**	**18.77**	Kg/mtr
	Column From Plinth to Roof Slab								

	C1								
	16	**mm Dia Bar**							
			4	6	4.20	=	100.80		
							100.80	mtr	
						@	**1.58**	**159.29**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			4	24	0.98	=	94.08		
							94.08	mtr	
						@	**0.40**	**37.17**	Kg/mtr
	Beams								
	GB1-GB3								
	16	**mm Dia Bar**							
			4	4	4.35	=	69.60		
	Lapping Length		4	4	1.20	=	19.20		
							88.80	mtr	
						@	**1.58**	**140.33**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		4	4	0.90	=	14.40		
	Extra Bar Bottom		4	2	3.70	=	29.60		
							44.00	mtr	
						@	**0.89**	**39.11**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			4	25	1.08	=	107.38		
							107.38	mtr	
						@	**0.40**	**42.42**	Kg/mtr
	GB2-GB4								
	16	**mm Dia Bar**							
			2	4	0.90	=	7.20		
	Lapping Length		2	4	3.40	=	27.20		
							34.40	mtr	
						@	**1.58**	**54.36**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		2	4	1.20	=	9.60		
	Extra Bar Bottom		2	2	3.40	=	13.60		
							23.20	mtr	
						@	**0.89**	**20.62**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			2	7	1.08	=	15.55		
							15.55	mtr	
						@	**0.40**	**6.14**	Kg/mtr
	Rcc Slab								
	10	**mm Dia Bar**							
			1	21	4.20	=	88.80		
			1	24	3.70	=	88.80		
	Tensions Bars		1	24	0.90	=	21.60		
			2	21	0.90	=	38.06		
	Chairs		1	10	0.45	=	4.50		
							241.76	mtr	
						@	**0.62**	**149.23**	Kgs
	Lintel								
	12	**mm Dia Bar**							
			1	4	2.55	=	10.20		

	Lapping Length		1	4	0.90	=	3.60		
							13.80	mtr	
						@	**0.89**	**12.27**	Kgs
	Lintel Strirrups								
	8	**mm dia bar**							
			1	15	0.68	=	9.84		
							9.84	mtr	
						@	**0.40**	**3.89**	Kg/mtr
Near Gaana Apartment Chansandra Layout Ward no -160									
	Footing								
	10	**mm dia bar**	**for column mat**						
	F1		4	11	1.90	=	82.51		
			4	11	1.90	=	82.51		
							165.03	mtr	
						@	**0.62**	**101.87**	Kgs
	Column From Foundation to Plinth Level								
	C1								
	12	**mm Dia Bar**							
			4	6	1.65	=	39.60		
							39.60	mtr	
						@	**0.89**	**35.20**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			4	11	0.98	=	43.12		
							43.12	mtr	
						@	**0.40**	**17.04**	Kg/mtr
	Plinth Beams								
	PB1-PB3								
	12	**mm Dia Bar**							
			2	4	5.20	=	41.60		
							41.60	mtr	
						@	**0.89**	**36.98**	Kgs
	12	**mm Dia Bar**							
	Extra Bar		2	2	0.90	=	3.60		
							3.60	mtr	
						@	**0.89**	**3.20**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	35	1.08	=	74.88		
							74.88	mtr	
						@	**0.40**	**29.58**	Kg/mtr
	PB2-PB4								
	12	**mm Dia Bar**							
			2	4	3.15	=	25.20		
							25.20	mtr	
						@	**0.89**	**22.40**	Kgs
	12	**mm Dia Bar**							
	Extra Bar		2	2	1.60	=	6.40		
							6.40	mtr	
						@	**0.89**	**5.69**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	21	1.08	=	45.36		
							45.36	mtr	

						@	**0.40**	**17.92**	Kg/mtr
	Column From Plinth to Roof Slab								
	C1								
	16	**mm Dia Bar**							
			4	6	4.20	=	100.80		
							100.80	mtr	
						@	**1.58**	**159.29**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			4	28	0.98	=	109.76		
							109.76	mtr	
						@	**0.40**	**43.36**	Kg/mtr
	Beams								
	GB1-GB3								
	16	**mm Dia Bar**							
			4	4	5.20	=	83.20		
	Lapping Length		4	4	1.20	=	19.20		
							102.40	mtr	
						@	**1.58**	**161.82**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		4	4	0.90	=	14.40		
	Extra Bar Bottom		4	2	3.20	=	25.60		
							40.00	mtr	
						@	**0.89**	**35.56**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			4	35	1.08	=	149.76		
							149.76	mtr	
						@	**0.40**	**59.16**	Kg/mtr
	GB2-GB4								
	16	**mm Dia Bar**							
			2	4	3.20	=	25.60		
	Lapping Length		2	4	0.90	=	7.20		
							32.80	mtr	
						@	**1.58**	**51.83**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		2	4	1.20	=	9.60		
	Extra Bar Bottom		2	2	3.40	=	13.60		
							23.20	mtr	
						@	**0.89**	**20.62**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			2	18	1.08	=	39.50		
							39.50	mtr	
						@	**0.40**	**15.60**	Kg/mtr

	Rcc Slab								
	10	**mm Dia Bar**							
			1	30	2.85	=	86.31		
			1	19	5.30	=	100.70		
	Tensions Bars		1	16.3	0.90	=	14.66		
			2	30	0.90	=	54.51		
	Chairs		1	10	0.45	=	4.50		
							260.69	mtr	
						@	**0.62**	**160.92**	Kgs
							Total Qty Work Done	**7660.05**	**Kgs**
							Total Qty Work Done	**7.66**	**Tonne**
							Qty Payable in this bill	**7.66**	**Tonne**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Asst. Engineer
RR Nagara Division

Asst.Executive Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	14	3/11/22
Item Name:	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
For Stone Masonry outer Walls									
First Course		2	3.65	0.60	-	-	0.60	2.63	
		2	2.75	0.60	-	-	0.60	1.98	
Second Course		2	3.65	0.45	-	-	0.45	1.48	
		2	2.75	0.45	-	-	0.45	1.11	
For Steps									
		1	3.05	0.60	-	-	0.40	0.73	
		1	3.05	0.30	-	-	0.20	0.18	
For Stage									
		1	0.60	0.60	-	-	0.60	0.22	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
For Stone Masonry outer Walls									
First Course		2	5.80	0.60	-	-	0.60	4.18	
		2	3.00	0.60	-	-	0.60	2.16	
Second Course		2	5.80	0.45	-	-	0.45	2.35	
		2	3.00	0.45	-	-	0.45	1.22	
For Steps									
		1	2.70	0.60	-	-	0.40	0.65	
		1	2.70	0.30	-	-	0.20	0.16	
For Stage									
		1	0.60	0.60	-	-	0.60	0.22	
Kempe Gowda Layout 2nd Main Ward no -69									
For Stone Masonry outer Walls									
First Course		2	3.30	0.60	-	-	0.60	2.38	
		2	2.60	0.60	-	-	0.60	1.87	
Second Course		2	3.30	0.45	-	-	0.45	1.34	
		2	2.60	0.45	-	-	0.45	1.05	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
For Steps									
		1	2.00	0.30	-	-	0.15	0.09	
For Stage									
		1	0.60	0.60	-	-	0.60	0.22	
5th Cross Road Freedom Fighter Nagara Ward no -69									
For Stone Masonry outer Walls									
First Course		2	4.65	0.60	-	-	0.60	3.35	
		2	3.10	0.60	-	-	0.60	2.23	
Second Course		2	4.65	0.45	-	-	0.45	1.88	
		2	3.10	0.45	-	-	0.45	1.26	
For Steps									
		1	2.50	0.60	-	-	0.40	0.60	
		1	2.50	0.30	-	-	0.20	0.15	
For Stage									
		1	0.60	0.60	-	-	0.60	0.22	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
For Stone Masonry outer Walls									
First Course		2	4.00	0.60	-	-	0.60	2.88	
		2	3.45	0.60	-	-	0.60	2.48	
Second Course		2	4.00	0.45	-	-	0.45	1.62	
		2	3.45	0.45	-	-	0.45	1.40	
For Steps									
		1	2.85	0.60	-	-	0.40	0.68	
		1	2.85	0.30	-	-	0.20	0.17	
For Stage									
		1	0.60	0.60	-	-	0.60	0.22	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
For Stone Masonry outer Walls									
First Course		2	4.60	0.60	-	-	0.60	3.31	
		2	3.20	0.60	-	-	0.60	2.30	
Second Course		2	4.60	0.45	-	-	0.45	1.86	
		2	3.20	0.45	-	-	0.45	1.30	
For Steps									
		1	2.60	0.60	-	-	0.40	0.62	
		1	2.60	0.30	-	-	0.20	0.16	
For Stage									
		1	0.60	0.60	-	-	0.60	0.22	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
For Stone Masonry outer Walls									
First Course		2	4.20	0.60	-	-	0.60	3.02	
		2	3.10	0.60	-	-	0.60	2.23	
Second Course		2	4.20	0.45	-	-	0.45	1.70	
		2	3.10	0.45	-	-	0.45	1.26	
For Steps									
		1	3.60	0.30	-	-	0.15	0.16	
For Stage									
		1	0.60	0.60	-	-	0.60	0.22	
Near Gaana Apartment Chansandra Layout Ward no -160									
For Stone Masonry outer Walls									
First Course		2	4.90	0.60	-	-	0.60	3.53	
		2	2.85	0.60	-	-	0.60	2.05	
Second Course		2	4.90	0.45	-	-	0.45	1.98	
		2	2.85	0.45	-	-	0.45	1.15	
For Steps									
		1	2.40	0.45	-	-	0.15	0.16	
For Stage									
		1	0.60	0.60	-	-	0.60	0.22	
							Total Qty Work Done	**72.80**	**Cum**
							Qty Payable in this bill	**72.80**	**Cum**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative
Authorised Signatory

3/11/2022

Assistant Engineer
RR Nagara Division

Asst.Executive Engineer
RR Nagara Division
03/11/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

7/12/22

Item No:	15
Item Name:	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	FOR RO PLANTS								
	LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69								
	For Block Masonry outer Walls								
	Horizontals Walls	2	2.75		-	-	2.70	14.85	
	Verticals Walls	2	3.65		-	-	2.70	19.71	
	Parapit Walls								
	Horizontals Walls	2	2.75		-	-	0.60	3.30	
	Verticals Walls	2	4.20		-	-	0.60	5.04	
	Deductions								
	Door	-1	2.00		-	-	2.35	-4.70	
	Columns	-4	0.30		-	-	2.70	-3.24	
	Parapit Walls-Openings	-1	0.60		-	-	0.45	-0.27	
	Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69								
	For Block Masonry outer Walls								
	Horizontals Walls	2	5.80		-	-	2.70	31.32	
	Verticals Walls	2	3.00		-	-	2.70	16.20	
	Parapit Walls								
	Horizontals Walls	2	5.80		-	-	0.60	6.96	
	Verticals Walls	2	3.00		-	-	0.60	3.60	
	Deductions								
	Door	-1	2.40		-	-	2.60	-6.24	
	Columns	-4	0.30		-	-	2.70	-3.24	
	Parapit Walls-Openings	-1	0.60		-	-	0.45	-0.27	
	Kempe Gowda Layout 2nd Main Ward no -69(NO Columns)								
	For Block Masonry outer Walls								

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Horizontals Walls		2	2.60		-	-	2.70	14.04	
Verticals Walls		2	3.30		-	-	2.70	17.82	
Parapit Walls									
Horizontals Walls		2	2.60		-	-	0.60	3.12	
Verticals Walls		2	3.90		-	-	0.60	4.68	
Deductions									
Door		-1	1.90		-	-	2.30	-4.37	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
5th Cross Road Freedom Fighter Nagara Ward no -69									
For Block Masonry outer Walls									
Horizontals Walls		2	3.10		-	-	2.70	16.74	
Verticals Walls		2	4.65		-	-	2.70	25.11	
Parapit Walls									
Horizontals Walls		2	3.10		-	-	0.60	3.72	
Verticals Walls		2	5.25		-	-	0.60	6.30	
Deductions									
Door		-1	2.20		-	-	2.40	-5.28	
Columns		-4	0.30		-	-	2.70	-3.24	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
For Block Masonry outer Walls									
Horizontals Walls		2	3.45		-	-	2.70	18.63	
Verticals Walls		2	4.00		-	-	2.70	21.60	
Parapit Walls									
Horizontals Walls		2	3.45		-	-	0.60	4.14	
Verticals Walls		2	4.60		-	-	0.60	5.52	
Deductions									
Door		-1	2.40		-	-	2.40	-5.76	
Columns		-4	0.30		-	-	2.70	-3.24	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
For Block Masonry outer Walls									
Horizontals Walls		2	3.20		-	-	2.70	17.28	
Verticals Walls		2	4.60		-	-	2.70	24.84	
Parapit Walls									
Horizontals Walls		2	3.20		-	-	0.60	3.84	
Verticals Walls		2	5.20		-	-	0.60	6.24	
Deductions									
Door		-1	2.10		-	-	2.40	-5.04	
Columns		-4	0.30		-	-	2.70	-3.24	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
For Block Masonry outer Walls									
Horizontals Walls		2	4.20		-	-	2.70	22.68	
Verticals Walls		2	3.10		-	-	2.70	16.74	
Parapit Walls									
Horizontals Walls		2	4.20		-	-	0.60	5.04	
Verticals Walls		2	3.70		-	-	0.60	4.44	
Deductions									
Door		-1	2.40		-	-	2.20	-5.28	
Columns		-4	0.30		-	-	2.70	-3.24	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
Near Gaana Apartment Chansandra Layout Ward no -160									
For Block Masonry outer Walls									
Horizontals Walls		2	2.85		-	-	2.70	15.39	
Verticals Walls		2	4.60		-	-	2.70	24.84	
Parapit Walls									
Horizontals Walls		2	2.85		-	-	0.60	3.42	
Verticals Walls		2	5.00		-	-	0.60	6.00	
Deductions									
Door		-1	1.90		-	-	2.35	-4.47	
Columns		-4	0.30		-	-	2.70	-3.24	
Ventilator -Openings		-1	0.45		-	-	0.40	-0.18	
						Total Qty Work Done		**327.27**	**Sqm**
						Qty Payable in this bill		**327.27**	**Sqm**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Assistant Engineer
RR Nagara Division

7/12/2022

Asst.Executive Engineer
RR Nagara Division

07/12/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	16	10/12/22
Item Name:	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
For outer Wall Plastering									
Horizontals Walls		2	2.75		-	-	3.50	19.25	
Verticals Walls		2	3.65		-	-	3.50	25.55	
Parapit Walls									
Horizontals Walls		2	2.75		-	-	0.60	3.30	
Verticals Walls		2	4.20		-	-	0.60	5.04	
Coping Portion -Top		1	13.90		-	-	0.15	2.09	
For Inside Wall Plastering									
Horizontals Walls		2	2.45		-	-	3.00	14.70	
Verticals Walls		2	3.35		-	-	3.00	20.10	
Parapit Walls									
Horizontals Walls		2	2.75		-	-	0.60	3.30	
Verticals Walls		2	4.20		-	-	0.60	5.04	
Deductions									
Door		-1	2.00		-	-	2.35	-4.70	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
For outer Wall Plastering									
Horizontals Walls		2	5.80		-	-	3.50	40.60	
Verticals Walls		2	3.00		-	-	3.50	21.00	
Parapit Walls									
Horizontals Walls		2	5.80		-	-	0.60	6.96	
Verticals Walls		2	3.00		-	-	0.60	3.60	
Coping Portion -Top		1	17.60		-	-	0.15	2.64	
For Inside Wall Plastering									
Horizontals Walls		2	5.50		-	-	3.00	33.00	
Verticals Walls		2	2.70		-	-	3.00	16.20	
Parapit Walls									
Horizontals Walls		2	5.50		-	-	0.60	6.60	
Verticals Walls		2	2.70		-	-	0.60	3.24	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Deductions									
Door		-1	2.40		-	-	2.60	-6.24	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
Kempe Gowda Layout 2nd Main Ward no -69(NO Columns)									
For outer Wall Plastering									
Horizontals Walls		2	2.60		-	-	3.50	18.20	
Verticals Walls		2	3.30		-	-	3.50	23.10	
Parapit Walls									
Horizontals Walls		2	2.60		-	-	0.60	3.12	
Verticals Walls		2	3.90		-	-	0.60	4.68	
Coping Portion -Top		1	13.00		-	-	0.15	1.95	
For Inside Wall Plastering									
Horizontals Walls		2	2.30		-	-	3.00	13.80	
Verticals Walls		2	3.00		-	-	3.00	18.00	
Parapit Walls									
Horizontals Walls		2	2.30		-	-	0.60	2.76	
Verticals Walls		2	3.60		-	-	0.60	4.32	
Deductions									
Door		-1	1.90		-	-	2.30	-4.37	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
5th Cross Road Freedom Fighter Nagara Ward no -69									
For outer Wall Plastering									
Horizontals Walls		2	3.10		-	-	3.50	21.70	
Verticals Walls		2	4.65		-	-	3.50	32.55	
Parapit Walls									
Horizontals Walls		2	3.10		-	-	0.60	3.72	
Verticals Walls		2	5.25		-	-	0.60	6.30	
Coping Portion -Top		1	16.70		-	-	0.15	2.51	
For Inside Wall Plastering									
Horizontals Walls		2	2.90		-	-	3.00	17.40	
Verticals Walls		2	4.35		-	-	3.00	26.10	
Parapit Walls									
Horizontals Walls		2	2.90		-	-	0.60	3.48	
Verticals Walls		2	4.35		-	-	0.60	5.22	
Deductions									
Door		-1	2.20		-	-	2.40	-5.28	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
For outer Wall Plastering									
Horizontals Walls		2	3.45		-	-	3.50	24.15	
Verticals Walls		2	4.00		-	-	3.50	28.00	
Parapit Walls									
Horizontals Walls		2	3.45		-	-	0.60	4.14	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Verticals Walls		2	4.60		-	-	0.60	5.52	
Coping Portion -Top		1	16.10		-	-	0.15	2.42	
For Inside Wall Plastering									
Horizontals Walls		2	3.15		-	-	3.00	18.90	
Verticals Walls		2	3.70		-	-	3.00	22.20	
Parapit Walls									
Horizontals Walls		2	3.15		-	-	0.60	3.78	
Verticals Walls		2	4.30		-	-	0.60	5.16	
Deductions									
Door		-1	2.40		-	-	2.40	-5.76	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
For outer Wall Plastering									
Horizontals Walls		2	3.20		-	-	3.50	22.40	
Verticals Walls		2	4.60		-	-	3.50	32.20	
Parapit Walls									
Horizontals Walls		2	3.20		-	-	0.60	3.84	
Verticals Walls		2	5.20		-	-	0.60	6.24	
Coping Portion -Top		1	16.80		-	-	0.15	2.52	
For Inside Wall Plastering									
Horizontals Walls		2	2.90		-	-	3.00	17.40	
Verticals Walls		2	4.30		-	-	3.00	25.80	
Parapit Walls									
Horizontals Walls		2	2.90		-	-	0.60	3.48	
Verticals Walls		2	4.90		-	-	0.60	5.88	
Deductions									
Door		-1	2.10		-	-	2.40	-5.04	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
For outer Wall Plastering									
Horizontals Walls		2	4.20		-	-	3.50	29.40	
Verticals Walls		2	3.10		-	-	3.50	21.70	
Parapit Walls									
Horizontals Walls		2	4.20		-	-	0.60	5.04	
Verticals Walls		2	3.70		-	-	0.60	4.44	
Coping Portion -Top		1	15.80		-	-	0.15	2.37	
For Inside Wall Plastering									
Horizontals Walls		2	3.90		-	-	3.00	23.40	
Verticals Walls		2	2.80		-	-	3.00	16.80	
Parapit Walls									
Horizontals Walls		2	3.90		-	-	0.60	4.68	
Verticals Walls		2	3.40		-	-	0.60	4.08	
Deductions									
Door		-1	2.40		-	-	2.20	-5.28	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
Near Gaana Apartment Chansandra Layout Ward no -160									
For outer Wall Plastering									
Horizontals Walls		2	2.85		-	-	3.50	19.95	
Verticals Walls		2	4.60		-	-	3.50	32.20	
Parapit Walls									
Horizontals Walls		2	2.85		-	-	0.60	3.42	
Verticals Walls		2	4.60		-	-	0.60	5.52	
Coping Portion -Top		1	14.90		-	-	0.15	2.24	
For Inside Wall Plastering									
Horizontals Walls		2	2.55		-	-	3.00	15.30	
Verticals Walls		2	4.60		-	-	3.00	27.60	
Parapit Walls									
Horizontals Walls		2	2.55		-	-	0.60	3.06	
Verticals Walls		2	5.00		-	-	0.60	6.00	
Deductions									
Door		-1	1.90		-	-	2.35	-4.47	
Parapit Walls-Openings		-1	0.45		-	-	0.40	-0.18	
							Total Qty Work Done	**859.13**	**Sqm**
							Qty Payable in this bill	**859.13**	**Sqm**

Contractor Representative

Assistant Engineer
RR Nagara Division

10/12/2022

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Asst.Executive Engineer
RR Nagara Division

10/12/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	17	10/12/22
Item Name:	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge..	

SLNO	CHAINAGE / Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS										
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69										
For Ceilling Plastering										
Slab Area			1	2.45	4.10	-	-		10.05	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69										
For Ceilling Plastering										
Slab Area			1	5.50	3.45	-	-		18.98	
Kempe Gowda Layout 2nd Main Ward no -69(NO Columns)										
For Ceilling Plastering										
Slab Area			1	2.30	3.75	-	-		8.63	
5th Cross Road Freedom Fighter Nagara Ward no -69										
For Ceilling Plastering										
Slab Area			1	2.80	5.10	-	-		14.28	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69										
For Ceilling Plastering										
Slab Area			1	3.45	4.45	-	-		15.35	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129										
For Ceilling Plastering										
Slab Area			1	2.90	5.05	-	-		14.65	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
For Ceilling Plastering									
Slab Area		1	3.90	3.55	-	-		13.85	
Near Gaana Apartment Chansandra Layout Ward no -160									
For Ceilling Plastering									
Slab Area		1	2.55	5.00	-	-		12.75	
							Total Qty Work Done	**108.52**	**Sqm**
							Qty Payable in this bill	**108.52**	**Sqm**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Assistant Engineer
RR Nagara Division

Asst.Executive Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	**18**	26/12/22
Item Name:	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
For outer Wall Painting									
Horizontals Walls		2	2.75		-	-	3.50	19.25	
Verticals Walls		2	3.65		-	-	3.50	25.55	
Parapit Walls									
Horizontals Walls		2	2.75		-	-	0.60	3.30	
Verticals Walls		2	4.20		-	-	0.60	5.04	
Coping Portion -Top		1	13.90		-	-	0.15	2.09	
For Inside Wall Painting									
Horizontals Walls		2	2.45		-	-	3.00	14.70	
Verticals Walls		2	3.35		-	-	3.00	20.10	
Parapit Walls									
Horizontals Walls		2	2.75		-	-	0.60	3.30	
Verticals Walls		2	4.20		-	-	0.60	5.04	
Deductions									
Door		-1	2.00		-	-	2.35	-4.70	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
For outer Wall Painting									
Horizontals Walls		2	5.80		-	-	3.50	40.60	
Verticals Walls		2	3.00		-	-	3.50	21.00	
Parapit Walls									
Horizontals Walls		2	5.80		-	-	0.60	6.96	
Verticals Walls		2	3.00		-	-	0.60	3.60	
Coping Portion -Top		1	17.60		-	-	0.15	2.64	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
For Inside Wall Painting									
Horizontals Walls		2	5.50		-	-	3.00	33.00	
Verticals Walls		2	2.70		-	-	3.00	16.20	
Parapit Walls									
Horizontals Walls		2	5.50		-	-	0.60	6.60	
Verticals Walls		2	2.70		-	-	0.60	3.24	
Deductions									
Door		-1	2.40		-	-	2.60	-6.24	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
Kempe Gowda Layout 2nd Main Ward no -69(NO Columns)									
For outer Wall Painting									
Horizontals Walls		2	2.60		-	-	3.50	18.20	
Verticals Walls		2	3.30		-	-	3.50	23.10	
Parapit Walls									
Horizontals Walls		2	2.60		-	-	0.60	3.12	
Verticals Walls		2	3.90		-	-	0.60	4.68	
Coping Portion -Top		1	13.00		-	-	0.15	1.95	
For Inside Wall Painting									
Horizontals Walls		2	2.30		-	-	3.00	13.80	
Verticals Walls		2	3.00		-	-	3.00	18.00	
Parapit Walls									
Horizontals Walls		2	2.30		-	-	0.60	2.76	
Verticals Walls		2	3.60		-	-	0.60	4.32	
Deductions									
Door		-1	1.90		-	-	2.30	-4.37	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
5th Cross Road Freedom Fighter Nagara Ward no -69									
For outer Wall Painting									
Horizontals Walls		2	3.10		-	-	3.50	21.70	
Verticals Walls		2	4.65		-	-	3.50	32.55	
Parapit Walls									
Horizontals Walls		2	3.10		-	-	0.60	3.72	
Verticals Walls		2	5.25		-	-	0.60	6.30	
Coping Portion -Top		1	16.70		-	-	0.15	2.51	
For Inside Wall Painting									
Horizontals Walls		2	2.90		-	-	3.00	17.40	
Verticals Walls		2	4.35		-	-	3.00	26.10	
Parapit Walls									
Horizontals Walls		2	2.90		-	-	0.60	3.48	
Verticals Walls		2	4.35		-	-	0.60	5.22	
Deductions									

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Door		-1	2.20		-	-	2.40	-5.28	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
For outer Wall Painting									
Horizontals Walls		2	3.45		-	-	3.50	24.15	
Verticals Walls		2	4.00		-	-	3.50	28.00	
Parapit Walls									
Horizontals Walls		2	3.45		-	-	0.60	4.14	
Verticals Walls		2	4.60		-	-	0.60	5.52	
Coping Portion -Top		1	16.10		-	-	0.15	2.42	
For Inside Wall Painting									
Horizontals Walls		2	3.15		-	-	3.00	18.90	
Verticals Walls		2	3.70		-	-	3.00	22.20	
Parapit Walls									
Horizontals Walls		2	3.15		-	-	0.60	3.78	
Verticals Walls		2	4.30		-	-	0.60	5.16	
Deductions									
Door		-1	2.40		-	-	2.40	-5.76	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
For outer Wall Painting									
Horizontals Walls		2	3.20		-	-	3.50	22.40	
Verticals Walls		2	4.60		-	-	3.50	32.20	
Parapit Walls									
Horizontals Walls		2	3.20		-	-	0.60	3.84	
Verticals Walls		2	5.20		-	-	0.60	6.24	
Coping Portion -Top		1	16.80		-	-	0.15	2.52	
For Inside Wall Painting									
Horizontals Walls		2	2.90		-	-	3.00	17.40	
Verticals Walls		2	4.30		-	-	3.00	25.80	
Parapit Walls									
Horizontals Walls		2	2.90		-	-	0.60	3.48	
Verticals Walls		2	4.90		-	-	0.60	5.88	
Deductions									
Door		-1	2.10		-	-	2.40	-5.04	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
For outer Wall Painting									
Horizontals Walls		2	4.20		-	-	3.50	29.40	
Verticals Walls		2	3.10		-	-	3.50	21.70	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Parapit Walls									
Horizontals Walls		2	4.20		-	-	0.60	5.04	
Verticals Walls		2	3.70		-	-	0.60	4.44	
Coping Portion -Top		1	15.80		-	-	0.15	2.37	
For Inside Wall Painting									
Horizontals Walls		2	3.90		-	-	3.00	23.40	
Verticals Walls		2	2.80		-	-	3.00	16.80	
Parapit Walls									
Horizontals Walls		2	3.90		-	-	0.60	4.68	
Verticals Walls		2	3.40		-	-	0.60	4.08	
Deductions									
Door		-1	2.40		-	-	2.20	-5.28	
Parapit Walls-Openings		-1	0.60		-	-	0.45	-0.27	
Near Gaana Apartment Chansandra Layout Ward no -160									
For outer Wall Painting									
Horizontals Walls		2	2.85		-	-	3.50	19.95	
Verticals Walls		2	4.60		-	-	3.50	32.20	
Parapit Walls									
Horizontals Walls		2	2.85		-	-	0.60	3.42	
Verticals Walls		2	4.60		-	-	0.60	5.52	
Coping Portion -Top		1	14.90		-	-	0.15	2.24	
For Inside Wall Painting									
Horizontals Walls		2	2.55		-	-	3.00	15.30	
Verticals Walls		2	4.60		-	-	3.00	27.60	
Parapit Walls									
Horizontals Walls		2	2.55		-	-	0.60	3.06	
Verticals Walls		2	5.00		-	-	0.60	6.00	
Deductions									
Door		-1	1.90		-	-	2.35	-4.47	
Parapit Walls-Openings		-1	0.45		-	-	0.40	-0.18	
FOR RO PLANTS									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
For Ceilling Painting									
Slab Area		1	2.45	4.10	-	-		10.05	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
For Ceilling Painting									
Slab Area		1	5.50	3.45	-	-		18.98	
Kempe Gowda Layout 2nd Main Ward no -69									

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
For Ceilling Painting									
Slab Area		1	2.30	3.75	-	-		8.63	
5th Cross Road Freedom Fighter Nagara Ward no -69									
For Ceilling Painting									
Slab Area		1	2.80	5.10	-	-		14.28	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
For Ceilling Painting									
Slab Area		1	3.45	4.45	-	-		15.35	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
For Ceilling Painting									
Slab Area		1	2.90	5.05	-	-		14.65	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
For Ceilling Painting									
Slab Area		1	3.90	3.55	-	-		13.85	
Near Gaana Apartment Chansandra Layout Ward no -160									
For Ceilling Painting									
Slab Area		1	2.55	5.00	-	-		12.75	
							Total Qty Work Done	**967.64**	**Sqm**
							Qty Payable in this bill	**967.64**	**Sqm**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

26/12/2022

Assistant Engineer
RR Nagara Division

Asst.Executive Engineer
RR Nagara Division

26/12/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	19	26/12/22
Item Name:	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS									
For Water Proofing									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
Slab Area		1	2.45	4.10	-	-	-	10.05	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
Slab Area		1	5.50	3.45	-	-	-	18.98	
Kempe Gowda Layout 2nd Main Ward no -69(NO Columns)									
Slab Area		1	2.30	3.75	-	-	-	8.63	
5th Cross Road Freedom Fighter Nagara Ward no -69									
Slab Area		1	2.80	5.10	-	-	-	14.28	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
Slab Area		1	3.45	4.45	-	-	-	15.35	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
Slab Area		1	2.90	5.05	-	-	-	14.65	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
Slab Area		1	3.90	3.55	-	-	-	13.85	
Near Gaana Apartment Chansandra Layout Ward no -160									
Slab Area		1	2.55	5.00	-	-		12.75	
							Total Qty Work Done	**108.52**	**Sqm**
							Qty Payable in this bill	**108.52**	**Sqm**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Assistant Engineer
RR Nagara Division

26/12/2022

Asst.Executive Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	**20**	26/12/22
Item Name:	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., Complete. Size of Tile 500x500 mm	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS									
For Vitrified Tiles									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
For Floor		1	2.45	3.35	-	-	-	8.21	
For Skirting		1	8.25	0.10	-	-	-	0.83	
For Steps					-	-	-		
Rise		2	2.15	0.20	-	-	-	0.86	
Treads		2	2.15	0.30	-	-	-	1.29	
For Stage		2	0.60	0.60	-	-	-	0.72	
		1	0.60	0.60	-	-	-	0.36	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
For Floor		1	2.70	5.50	-	-	-	14.85	
For Skirting		1	10.90	0.10	-	-	-	1.09	
For Steps					-	-	-		
Rise		2	3.00	0.20	-	-	-	1.20	
Treads		2	3.00	0.30	-	-	-	1.80	
For Stage		2	0.60	0.60	-	-	-	0.72	
		1	0.60	0.60	-	-	-	0.36	
Kempe Gowda Layout 2nd Main Ward no -69(NO Columns)									
For Floor		1	2.30	3.00	-	-	-	6.90	
For Skirting		1	7.60	0.10	-	-	-	0.76	
For Steps					-	-	-		

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Rise		1	2.00	0.20	-	-	-	0.40	
Treads		1	2.00	0.30	-	-	-	0.60	
For Stage		2	0.60	0.30	-	-	-	0.36	
		1	0.60	0.30	-	-	-	0.18	
5th Cross Road Freedom Fighter Nagara Ward no -69									
For Floor		1	2.80	4.35	-	-	-	12.18	
For Skirting		1	9.95	0.10	-	-	-	1.00	
For Steps					-	-	-		
Rise		2	2.50	0.20	-	-	-	1.00	
Treads		2	2.50	0.30	-	-	-	1.50	
For Stage		2	0.60	0.60	-	-	-	0.72	
		1	0.60	0.60	-	-	-	0.36	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
For Floor		1	3.15	3.70	-	-	-	11.66	
For Skirting		1	10.00	0.10	-	-	-	1.00	
For Steps					-	-	-		
Rise		1	2.85	0.20	-	-	-	0.57	
Treads		1	2.85	0.30	-	-	-	0.86	
For Stage		2	0.60	0.30	-	-	-	0.36	
		1	0.60	0.30	-	-	-	0.18	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
For Floor		1	2.90	4.30	-	-	-	12.47	
For Skirting		1	10.10	0.10	-	-	-	1.01	
For Steps					-	-	-		
Rise		1	2.60	0.20	-	-	-	0.52	
Treads		1	2.60	0.30	-	-	-	0.78	
For Stage		2	0.60	0.30	-	-	-	0.36	
		1	0.60	0.30	-	-	-	0.18	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
For Floor		1	3.90	2.80	-	-	-	10.92	
For Skirting		1	10.60	0.10	-	-	-	1.06	
For Steps					-	-	-		
Rise		1	3.60	0.20	-	-	-	0.72	
Treads		1	3.60	0.30	-	-	-	1.08	
For Stage		2	0.60	0.30	-	-	-	0.36	
		1	0.60	0.30	-	-	-	0.18	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Near Gaana Apartment Chansandra Layout Ward no -160									
For Floor		1	2.55	4.60	-	-	-	11.73	
For Walls		1	9.70	1.20	-	-	-	11.64	
For Steps					-	-	-		
Rise		1	2.40	0.30	-	-	-	0.72	
Treads		1	2.40	0.45	-	-	-	1.08	
For Stage		2	0.60	0.30	-	-	-	0.36	
		1	0.60	0.30	-	-	-	0.18	
Total Qty Work Done								**128.21**	**Sqm**
Qty Payable in this bill								**128.21**	**Sqm**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Assistant Engineer
RR Nagara Division

26/12/2022

Asst.Executive Engineer
RR Nagara Division

26/12/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	**21**	26/12/22
Item Name:	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length andb jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS									
Rolling Shutters									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
		1	2.00	2.50	-	-		5.00	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
		1	2.40	2.75	-	-		6.60	
Kempe Gowda Layout 2nd Main Ward no -69									
		1	1.90	2.45	-	-		4.66	
5th Cross Road Freedom Fighter Nagara Ward no -69									
		1	2.20	2.55	-	-		5.61	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
		1	2.40	2.55	-	-		6.12	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
		1	2.10	2.55	-	-		5.36	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
		1	2.40	2.35	-	-		5.64	
Near Gaana Apartment Chansandra Layout Ward no -160									
		1	1.90	2.50	-	-		4.75	
							Total Qty Work Done	**43.73**	**Sqm**
							Qty Payable in this bill	**43.73**	**Sqm**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Assistant Engineer
RR Nagara Division

26/12/2022

Asst.Executive Engineer
RR Nagara Division

26/12/22

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	22	9/11/22
Item Name:	Supplying heavy gauge PVC conduit pipe..... dia confirming to IS 2509 with suitable size benda, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	FOR RO PLANTS								
	For 25mm Dia 2mm Thick Concealed Pipe								
	LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69								
		1	50.00		-	-		50.00	
	Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69								
		1	45.00		-	-		45.00	
	Kempe Gowda Layout 2nd Main Ward no -69								
		1	50.00		-	-		50.00	
	5th Cross Road Freedom Fighter Nagara Ward no -69								
		1	48.00		-	-		48.00	
	7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69								
		1	50.00		-	-		50.00	
	Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129								
		1	53.00		-	-		53.00	
	Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129								
		1	52.00		-	-		52.00	

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Near Gaana Apartment Chansandra Layout Ward no -160									
		1	55.00		-	-		55.00	
							Total Qty Work Done	**403.00**	**Mtr**
							Qty Payable in this bill	**403.00**	**Mtr**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Assistant Engineer
RR Nagara Division

9/11/2022

Asst.Executive Engineer
RR Nagara Division

09/11/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	**23**
Item Name:	Supplying..... mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.

9/11/22

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	FOR RO PLANTS								
	For 25mm Dia 2mm Thick								
	LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69								
		1	50.00		-	-		50.00	
	Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69								
		1	45.00		-	-		45.00	
	Kempe Gowda Layout 2nd Main Ward no -69(NO Columns)								
		1	50.00		-	-		50.00	
	5th Cross Road Freedom Fighter Nagara Ward no -69								
		1	48.00		-	-		48.00	
	7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69								
		1	50.00		-	-		50.00	
	Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129								
		1	53.00		-	-		53.00	
	Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129								
		1	52.00		-	-		52.00	

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

RR Nagara Division

MEASURMENT BOOK

PAYMENT CERTIFICATE

First & Part BILL

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Near Gaana Apartment Chansandra Layout Ward no -160									
		1	55.00		-	-		55.00	
							Total Qty Work Done	**403.00**	**Mtr**
							Qty Payable in this bill	**403.00**	**Mtr**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative
Authorised Signatory

Assistant Engineer
RR Nagara Division

9/11/2022

Asst.Executive Engineer
RR Nagara Division

09/11/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	24	8/12/22
Item Name:	Groove cutting in the wall supplying.....dia 2mm/2.5mm thick heavy gauge PVC Conduit Pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out conduit wherever necessary.	

SLNO	CHAINAGE / Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS										
For 25mm Dia 2mm Thick Groove Ctting										
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69										
			1	36.00		-	-	-	36.00	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69										
			1	55.00		-	-	-	55.00	
Kempe Gowda Layout 2nd Main Ward no -69(NO Columns)										
			1	30.00		-	-	-	30.00	
5th Cross Road Freedom Fighter Nagara Ward no -69										
			1	38.00		-	-	-	38.00	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69										
			1	29.00		-	-	-	29.00	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129										
			1	38.00		-	-	-	38.00	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129										
			1	43.00		-	-	-	43.00	

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Near Gaana Apartment Chansandra Layout Ward no -160									
		1	55.00		-	-		55.00	
							Total Qty Work Done	**324.00**	**Mtr**
							Qty Payable in this bill	**324.00**	**Mtr**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Assistant Engineer
RR Nagara Division

8/12/2022

Asst.Executive Engineer
RR Nagara Division

08/12/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	**25**	8/12/22
Item Name:	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved make etc. c) 135x75x65mm	

SLNO	**CHAINAGE** / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
FOR RO PLANTS									
Sheet Metal Box									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
		3			-	-	-	3.00	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
		3			-	-	-	3.00	
Kempe Gowda Layout 2nd Main Ward no -69(NO Columns)									
		3			-	-	-	3.00	
5th Cross Road Freedom Fighter Nagara Ward no -69									
		3			-	-	-	3.00	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
		3			-	-	-	3.00	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
		3			-	-	-	3.00	

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
		3			-	-	-	3.00	
Near Gaana Apartment Chansandra Layout Ward no -160									
		4			-	-		4.00	
							Total Qty Work Done	**25.00**	**Each**
							Qty Payable in this bill	**25.00**	**Each**

Contractor Representative

For SAPIENCE CONSULTANTS

Authorised Signatory
Consultant Representative

Assistant Engineer
RR Nagara Division

8/12/2022

Asst.Executive Engineer
RR Nagara Division

08/12/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	26	8/12/22
Item Name:	d)180x90x65mm	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS									
Sheet Metal Box									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
		3			-	-	-	3.00	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
		3			-	-	-	3.00	
Kempe Gowda Layout 2nd Main Ward no -69									
		3			-	-	-	3.00	
5th Cross Road Freedom Fighter Nagara Ward no -69									
		3			-	-	-	3.00	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
		3			-	-	-	3.00	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
		3			-	-	-	3.00	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
		3			-	-	-	3.00	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Near Gaana Apartment Chansandra Layout Ward no -160									
		4			-	-		4.00	
							Total Qty Work Done	**25.00**	**Each**
							Qty Payable in this bill	**25.00**	**Each**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Assistant Engineer
RR Nagara Division

Asst.Executive Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	27	8/12/22
Item Name:	e)200x90x65mm	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS									
Sheet Metal Box									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
		3			-	-	-	3.00	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
		3			-	-	-	3.00	
Kempe Gowda Layout 2nd Main Ward no -69									
		3			-	-	-	3.00	
5th Cross Road Freedom Fighter Nagara Ward no -69									
		3			-	-	-	3.00	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
		3			-	-	-	3.00	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
		3			-	-	-	3.00	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
		3			-	-	-	3.00	
Near Gaana Apartment Chansandra Layout Ward no -160									
		4			-	-		4.00	
							Total Qty Work Done	**25.00**	**Each**
							Qty Payable in this bill	**25.00**	**Each**

Contractor Representative

Assistant Engineer
RR Nagara Division

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Asst.Executive Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	**28**	8/12/22
Item Name:	Supplying and fixing PVC/metal conduit accessories.(3/5) (ELE SR 2021-22 Page-1, Item-1.5) 1. Special type junction box b)25mm junction box	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS									
25mm juction Box									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
		5			-	-	-	5.00	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
		5			-	-	-	5.00	
Kempe Gowda Layout 2nd Main Ward no -69(NO Columns)									
		5			-	-	-	5.00	
5th Cross Road Freedom Fighter Nagara Ward no -69									
		5			-	-	-	5.00	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
		5			-	-	-	5.00	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
		5			-	-	-	5.00	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
		5			-	-	-	5.00	

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Near Gaana Apartment Chansandra Layout Ward no -160									
		5			-	-		5.00	
							Total Qty Work Done	**40.00**	**Each**
							Qty Payable in this bill	**40.00**	**Each**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative
Authorised Signatory

Assistant Engineer
RR Nagara Division

Asst.Executive Engineer
RR Nagara Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Providing Gallery to Musical Fountain in JP Park in Ward No 17and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in Rajarajeshwari nagara Constituency under PACKAGE-2022-23 RRN-DIV-(10).

Measurement Sheet

First & Part Bill

Item No:	**29**	9/11/22
Item Name:	2. Deep junction box c) 32mm deep junction box	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
FOR RO PLANTS									
32mm Deep juction Box									
LG Rammanna Layout 4th Cross Opposite Sri Vinayak Condiments Ward no -69									
		5			-	-	-	5.00	
Near Kalabairaweshwra Condiments Rajiv Gandhi Nagara 6th Cross 2nd Main Ward no -69									
		5			-	-	-	5.00	
Kempe Gowda Layout 2nd Main Ward no -69(NO Columns)									
		5			-	-	-	5.00	
5th Cross Road Freedom Fighter Nagara Ward no -69									
		5			-	-	-	5.00	
7th Cross Road Narashimha ,Nandini Layout Opposite Abhaya TempleWard no -69									
		5			-	-	-	5.00	
Opposite Rajanna Complex Kengunte Circle NGEF Layout Ward no -129									
		5			-	-	-	5.00	
Sir MV Layout 9th Block Jnanabhara NGEF Layout Ward no -129									
		5			-	-	-	5.00	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Near Gaana Apartment Chansandra Layout Ward no -160									
		5			-	-		5.00	
							Total Qty Work Done	**40.00**	**Each**
							Qty Payable in this bill	**40.00**	**Each**

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative
Authorised Signatory

Assistant Engineer
RR Nagara Division

Asst.Executive Engineer
RR Nagara Division